# Oil, Paint and Drug Reporter

*The Chemical Market Authority Since 1871*

Volume 155 No. 16 April 18, 1949


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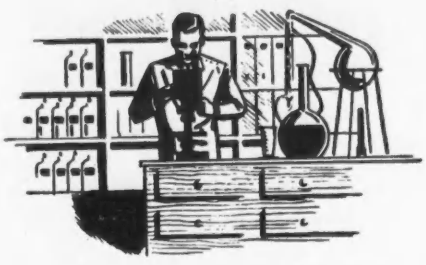

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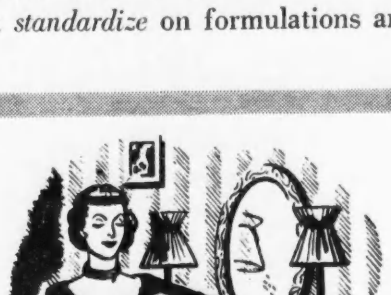

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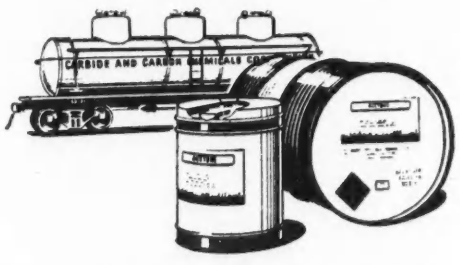

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# Oil, Paint and Drug Reporter

Volume 155 No. 16 | New York 7, N. Y. | April 18, 1949


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## Dunbar Supports Bill To Tighten Drug Law

Wholehearted support for the Van Zandt bill (H. R. 562) to tighten the requirements covering misbranding and adulteration of food and drug products entering export markets was expressed before the house interstate commerce committee on April 12 by Dr. Paul B. Dunbar, commissioner of Food and Drugs.

Dr. Dunbar said that the export provision of the Federal food, drug and cosmetic act as it now stands is "not compatible with the good neighbor policy and is not calculated to further confidence of foreign buyers in American goods." His Agency favors the enactment of H. R. 562.

The bill would amend the act by requiring that food, drugs, devices and cosmetics intended for export meet the same requirements as the law sets up for domestic traffic in those commodities. Exception would be made where the law of the country of destination conflicts with ours, or where a standard specified by the foreign law is less exacting than our standard. A final exception would relieve exported articles labeled in the language of the country of destination from the requirements that articles in domestic commerce be labeled in the English language.

Under present law, in section 801(d), it is provided that "a food, drug, device, or cosmetic intended for export shall not be deemed to be adulterated or misbranded under this act if it (1) accords to the specifications of the foreign purchaser, (2) is not in conflict with the laws of the country to which it is intended for export, and (3) is labeled on the outside of the shipping package to show that it is intended for export. * * *"

The bill was drafted by the Food and Drug Administration at the request of Representative James E. Van Zandt of Pennsylvania, who explained to the com-

—Continued on page 55

## Penicillin Certification Rules Revised by FDA

Formal notice of intentions to decertify crystalline penicillin G and its salts from the requirement of law that its purity and potency be certified before the product is placed on the market for sale was published in the Federal Register of April 13 by the Food and Drug Administration. Thirty days were given interested parties to submit comments on the proposal.

The exemption applies only to the salts itself and not to dosage forms such as ointments, tablets, etc. The exempted drug is described specifically as "crystalline penicillin G sodium, crystalline penicillin G. sodium salt, crystalline penicillin G. potassium, crystalline penicillin G. potassium salt."

It is further proposed that the exemption shall become effective on the effective date of the anticipated recognition of such drug in an official compendium through a monograph prescribing standards of identity, strength, quality, and purity, and packaging and labeling requirements for such drug.

The FDA's action is in accordance with the request of the penicillin manufacturers although it does not go as far as they would like. At the recent meeting of the American Drug Manufacturers Association at Boca Raton, Fla., the executive committee of the association voted in favor of exempting all dosage forms of crystalline penicillin G, for which there are now monographs, from the certification requirement.

## Antibiotics Certification Favored at House Hearing

Brief hearings were held on April 12 by the house interstate commerce committee on H. R. 3151, at which the only testimony produced was favorable to the bill requiring that aureomycin, chloramphenicol, and bacitracin be subject to pretesting and certification before being placed on the market for sale.

Dr. Paul B. Dunbar, Commissioner of Food and Drugs, appeared before the committee to explain the purposes of the measure and to give it the endorsement of the Food and Drug Administration. Representative J. Percy Priest of Tennessee, who introduced the bill for FDA, was the only other witness heard.

### *Nitrogen Allocating To Last to June 30*

The nitrogen committee of the International Emergency Food Committee decided at its meeting in Washington April 12 that the present program of allocating world supplies of fertilizer nitrogen should continue through the end of the current fertilizer year, June 30.

No decision has been reached as yet, however, on whether the allocation program shall continue beyond that date, it being understood that members of the committee now are reporting back to their governments for guidance in reaching a decision in this matter.

Hope was expressed following the April 12 meeting that a final decision will be arrived at in the immediate future so that producing countries and those that have benefited from the allocation program will be able to work out their fertilizer requirement programs without too much delay.

## Phosphate Lands Leasing Regulations Eased by U.S.

Regulations of the Bureau of Land Management covering the leasing of phosphate lands and oil and gas lands were modified by the Secretary of the Interior last week with reference to the requirements that corporations report the number of alien stockholders.

Aliens may not acquire or hold any direct or indirect interest in permits or leases, except that they may own or control stock in corporations holding permits or leases. It has been the requirement in the past that the corporations report the names and addresses of all of their alien stockholders.

The change made in the requirements makes the reporting necessary only if more than 10 percent of the voting stock or all the stock of a particular class is owned or controlled by aliens.

## Drug Group Meets April 25

The drug resources advisory committee of the Munitions Board will meet in Washington on April 25. It will be the first meeting of the committee since it was reconstituted several months ago and placed directly under the supervision of the Munitions Board. William T. Hack, chief of the chemical division of the National Security Resources Board, will serve as acting chairman at the meeting.

# Insecticide Industry Hit by New Rule on Labeling DDT Products

The insecticide industry was notified last week that labels of products containing DDT in which recommendations are made for use on dairy animals, or on forage or other feeds for animals being finished for slaughter, or for use in dairy barns, must be revised before the products can be moved in interstate commerce.

In a ruling signed by W. G. Reed, chief of the insecticide division of the livestock branch of the Production and Marketing Administration, it was stated that in the case of products already packed, this may be done by a sticker labeling bearing appropriate wording or, in some cases, by the use of a precautionary statement applied prominently with a rubber stamp, by overprinting or otherwise.

Of particular concern to the industry as a whole was the fact that the ruling apparently was effective immediately and that the revised labeling must be submitted to the insecticide division in duplicate for an amended registration.

There was no doubt that the action of USDA was a direct result of recent publicity regarding the toxicity of DDT, for Mr. Reed's notification also read:—

"Studies have shown that DDT, when used on dairy animals or when present on forage fed to dairy animals, appears in the milk. It has also been found in milk following its ordinary use for fly control in dairy barns. Because of the vital importance of milk in the diet of infants, children, and people of all ages, it is essential that proper precautions be taken to protect the milk supply.

"Insecticides containing DDT should not be recommended, either directly or indirectly, for use on dairy animals, or on forage or other feeds for dairy animals or animals being finished for slaughter. If the labeling of such a product is indefinite as to uses of this type—as, for example, if it bears a general recommendation for use on livestock or for use against some insect which might involve its use on forage—the label must bear a definite and prominent caution such as 'Do not use on dairy animals' or 'Do not use on forage crops to be fed dairy animals or those being finished for slaughter.'

"Present experimental work shows that when insecticides containing DDT are used as residual sprays in dairy barns, DDT often appears in the milk following such use. Until more definite information is available that dairy barn sprays can be used without contaminating milk, all directions for use as a residual spray in dairy barns should be deleted from labeling."

## Soybeans 1949 Support Price Set by USDA

The support level for 1949-crop soybeans grading U. S. No. 2 and containing not more than 14 percent moisture will be 90 percent of the comparable price for all soybeans on September 1, 1949, it was announced on April 12 by the Production and Marketing Administration. Premiums and discounts will apply to other grades.

To be eligible for loan or purchase agreements, the soybeans must grade U. S. No. 4 or better, and must not contain more than 14 percent moisture. A premium of 1 cent per bushel will be applicable to green and yellow varieties, and a discount of 19 cents per bushel for black, brown and mixed varieties.

Loans and purchase agreements will be available to producers from time of harvest through January 31, 1950. Loans will mature May 31, 1950, or earlier on demand. Producers desiring to deliver soybeans under a purchase agreement must declare their intention to sell within a thirty-day period ending May 31, 1950, or ending on such earlier date as may be determined by the Commodity Credit Corporation.

## Milk Powder Support Prices 90% of Parity

The Department of Agriculture announced on April 14 that it would purchase nonfat, dry milk solids, when necessary, to support prices of milk going into manufacturing uses this year at a national average of 90 percent of parity.

In carrying out any necessary support operations, the department will offer to buy in any area during 1949 nonfat dry milk solids of U. S. extra grade at 12.25 cents per pound for spray type solids and 11 cents for roller type solids for delivery before September 1, and at 12.75 cents for spray and 11.5 cents for roller for delivery on and after September 1.

Any nonfat dry milk solids acquired under the program will be available for sale to agencies administering foreign programs and for use in school lunch programs. The milk solids also will be available for sale in the domestic market at not less than the purchase price plus storage and other carrying costs incurred by the department.

# Price Trend Dip Continues

Last week was a bit still duller in the markets for chemicals, oils, and drugs. Perhaps that was wholly a holiday reaction. But, the consequence was a net diminution of the price averages in six of the ten major divisions of the market —none showed an advance. The shrinking cut the overall index 0.8 point to another new low, unequaled since early in October, 1945, and 13.3 points below the corresponding mark in 1948. In comparison with the equal overall index in 1945, the heavy chemicals, acids, coaltar chemicals, textile and leather chemicals, paint materials, drugs and fine chemicals, and agricultural chemicals divisions are higher by an average of 63.7 points, or 39.5 percent; the oils, fats, and waxes, botanical drugs, and essential oils divisions are lower by an average of 115.6 points, or 37.4 percent.

Mainly the price weakness of last week was in fatty and metallic groups. Copper and zinc and lead-chrome pigments were the heavy materials affected, and both metals and fats influenced a cut in stearates. Animal derivatives showed mixed trends, a bit on the downside. The same was true of most vegetable materials and their derivatives. Aromatic chemicals were on the downside; so were high-flash solvent naphtha and procaine hydrochloride. Chloropicrin and civet were exceptions among organics by going higher.

Aside from the pigments mentioned no derivatives of the cheaper metals, other than lead nitrate, were reduced. A cut in copper sulphate is expected shortly, and early reflections of the reduction in zinc are probable. Corn oil was advanced; other corn derivatives are said to be slated for upping early in May. Aside from shellac, natural resins are firm; some synthetics were reduced.

Production has caught up with demand in almost all materials, even in oxalic acid, but not yet in nickel salts. Further cuts in operating schedules are reported in alkali areas; the resale market is weaker. There was some improvement in seasonal calls for agricultural chemicals. The fertilizer side is tight; the pesticide side is not, and buyers are holding off.

### OPD Price Index

The OIL, PAINT, AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

| Apr. 15, 1949 | Apr. 8, 1949 | Apr. 16, 1948 |
|---|---|---|
| 133.3 | 134.1 | 146.6 |

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

| | 1949 | 1948 | 1947 | 1946 | 1941 |
|---|---|---|---|---|---|
| January | 142.0 | 150.4 | 150.9 | 135.3 | 107.8 |
| February | 140.4 | 147.2 | 151.9 | 135.4 | 110.3 |
| March | 137.6 | 146.2 | 154.9 | 135.2 | 111.9 |

## Oils, Fats Licenses Exceed 638 Million lb. in Jan.-Mar.

Export licenses issued for shipments of fats and oils, including oil content of oilseeds, to European countries during the first quarter of 1949 exceeded 638,000,000 pounds, according to the Office of International Trade. The total quantity includes 110,000,000 pounds released to the Army for shipment to occupied Germany and Austria.

OIT pointed out that the total amount of fats and oils licensed for export to European countries during the first quarter of 1949 does not necessarily represent shipments that have or will be made. Spain, for example has issued import permits for only a small part of the 130,000,000 pounds of soybean oil licensed for export to that country. Details of the various products for which licenses were issued during the quarter are as follows, in pounds:—

| | |
|---|---|
| Lard | 136,400,271 |
| Edible tallow | 6,595,499 |
| Inedible tallow and grease | 91,449,873 |
| Fatty acids, etc. | 25,907,853 |
| Fish oil | 5,532,633 |
| Flaxseed (oil content) | 26,235,908 |
| Soybeans (oil content) | 57,259,617 |
| Soybean oil | 193,912,095 |
| Cottonseed oil | 19,112,892 |
| Peanuts (oil content) | 39,872,472 |
| Peanut oil | 25,507,512 |
| Margarine (fat content) | 3,575,280 |
| Soap (fat content) | 429,333 |
| Other fats and oils | 1,460,972 |
| Total | 638,143,362 |

## Lead Controls Eased

The Office of International Trade of the Department of Commerce has removed quota restrictions from the export of antimonia lead and lead sheets and pipes, among other nonferrous metals, and increased the export quota for lead pigs, bars and anodes to 1,200 tons for the second quarter of 1949.

# German Plants Dismantling Plan Eased; 32 Chemical Plants Saved

An intergovernmental agreement was reached last week by the United States, Great Britain and France to save thirty-two of seventy-five German chemical plants that had been scheduled for dismantling under the original reparations program for Western Germany. At the same time, it was agreed to save 127 other plants classified as steel, mechanical, and non-ferrous.

It was also provided that until the signing of a peace treaty with the German government, Germany shall be prohibited from engaging in the production of war chemicals such as high explosives, nitrocellulose propellents, poison war gases, and rocket fuel; primary magnesium; beryllium; synthetic rubber and butadiene and the production of gasoline and oil lubricants from coal by the Bergius hydrogenous process, the Fischer-Tropsch synthesis, or analogous processes.

Limitations were placed in the agreement on the production of primary aluminum to 85,000 tons a year, on production of synthetic ammonia and chlorine to that remaining after the removal of plants for reparation, and on styrene to 20,000 tons annual working capacity. Increases above these levels will be allowed only under license from the military governors.

The prohibition on the production of synthetic fuels and lubricants is limited to the extent that such production is inseparable from the production of hydrocarbon waxes for the manufacture of synthetic fatty acids for the production of washing materials.

The synthesis of hydrocarbon waxes by the Fischer-Tropsch process is to be permitted only so long as the supply of fats and oils available in Germany is inadequate for the manufacture of sufficient washing materials without the use of synthetic fatty acids, and in no event beyond December 31, 1949.

The Fischer-Tropsch plants not now engaged in synthesis of hydrocarbon waxes are to be removed from Germany or destroyed as soon as possible. The two plants now engaged in this work are to be removed or destroyed as soon as possible after production ceases at the end of the year.

**Bergius Plants to Be Removed**

All Bergius plants except the Wesseling plant are to be removed or destroyed. The whole Wesseling plant is to be retained, and may be used for the refining of natural petroleum, for the hydrogenation of heavy residues from such refining, and for the synthesis of ammonia and methanol.

The agreement came as a result of demands of the Economic Cooperation Administration, supported by arguments of some of the influential members of Congress, that certain capital equipment be retained in Western Germany as most effectively serving the purposes of European recovery.

## Du Pont Shifts Personnel In Electrochemicals Dept.

Three personnel changes in the technical division of the electrochemicals department of E. I. du Pont de Nemours & Co. were announced on April 14.

Dr. Paul R. Austin, an assistant director of the chemical department laboratory at du Pont's experimental station, was appointed director of the electrochemicals department's technical division. Dr. Harold J. Barrett, chemical research manager at the Niagara Falls, N. Y., plant was named manager of field research. Dr. Campbell Robertson, manager of chemical research at the Perth Amboy, N. J., plant, was named chemical research manager at the Niagara Falls plant. The appointments are effective May 1.

Dr. Earle A. Harding, who has been director of the technical division, and Paul J. Carlisle, who has been manager of field research, will retire from active service about the end of this year. Until that time they will serve as special assistants to their successors.

## Lion Oil Plans Two New Chemical Plants

Plans for the completion of plants for the production of sulphuric acid and ammonium sulphate during the third quarter of 1949 were revealed by T. H. Barton, chairman of the board of the Lion Oil Company, Eldorado, Ark., at the annual meeting of stockholders of the company on April 12. The ammonium sulphate installation will have a daily capacity of 380 tons.

Mr. Barton also revealed that the company's anhydrous ammonia facilities are being increased by 130 tons per day, to bring its total ammonia production to 570 tons per day by July 1. Substantial additions and modernizations to ammonium nitrate drilling facilities will be in operation at about the same time, he added.

## M.M.&M. Now Offering Chromium Oxide Green

The Minnesota Mining & Manufacturing Company, St. Paul, Minn., is currently offering chromium oxide green and metallurgical grade chromium oxide in "almost unlimited quantities." Both products have a chromic oxide content of more than 98 percent, with a chromium content of over 67 percent, according to the company. Specific gravity is 5.08, oil absorption is 12.0 and fineness measures .5 percent retention on a 325 mesh screen, the company said, adding that both materials possess high purity of color, unprecedented uniformity and extreme chemical purity.

## American Potash Reduces Dehydrated Borax Price

The American Potash & Chemical Corporation last week reduced prices on its "Pyrobor-dehydrated borax" $7.50 per ton, effective April 15. The new carlot price in bags, minimum of forty tons, is $70.50 per ton, and the carlot price in bulk is $64 per ton, both prices f.o.b. plant, Trona, Calif. The reduction applies only to dehydrated borax.

## Phenol Plant Planned

Bakelite Corporation, unit of Union Carbide & Carbon Corporation, New York, announces that plans are now being projected for the erection of a phenol-producing plant in the Ohio River Valley area south of Marietta, Ohio. Construction has not yet begun, but it is expected that the plant will be in operation late in 1950. The new plant will produce phenol from chlorobenzene.

## G.E. Resin Prices Cut

The chemical department of the General Electric Company, Pittsfield, Mass., announced on April 14 an average reduction of 1¾ cents per pound in prices on its "Glyptal" alkyd resins, effective immediately.

### *Dow Sales Director*

Donald Williams has been appointed director of sales of the Dow Chemical Company, to succeed Leland I Doan, who has been elected president. Donald K. Ballman has been named to succeed Mr. Williams as general sales manager, and Dr. L. S. Roehm has assumed Mr. Ballman's former post as assistant general sales manager. Mr. Williams joined the Dow sales staff in 1924 and was appointed general sales manager in 1945.

## John Powell & Co. Forms Subsidiary; Opens New Plant

John Powell & Co., pesticides manufacturer, New York, has formed a new subsidiary, the John Powell Chemical Company, to operate its new plant in Huntsville, Ala. The plant, which will produce basic insecticide and weedkiller materials, was formerly a part of the Huntsville Arsenal. It will be managed by Benton Wilcoxon, formerly of the Calabama Chemical Company and a wartime member of the staff of the War Production Board. The company's facilities in Brooklyn, N. Y., will be maintained.

## G.E. Appoints Hartley Chemical Materials Head

The General Electric Company, Pittsfield, Mass., has appointed George M. Hartley materials engineer for its chemicals division. In this position, Mr. Hartley will be responsible for purchasing, controlling inventories and scheduling the flow of all raw materials through the division's plant at Pittsfield, Anaheim, Calif., and Schenectady and Waterford, N. Y.

## Taft Health Bill Calls For U.S. Aid to States

A national health bill calling for Federal aid to states instead of compulsory insurance was introduced in the senate on April 14. Sponsored by three Republicans, the bill would authorize new grants estimated at $1,955,000,000 over a five-year period, to be matched on a fifty-fifty basis by states, localities and hospitals, to improve facilities and provide services to persons unable to provide the full cost.

Senator Robert A. Taft and his co-sponsors joined in a statement rejecting the compulsory insurance plan of President Truman and said their aim was to attack the problem of promoting the health of the American people "without violating our American traditions of personal freedom."

They estimated the first year cost of the measure at $280,000,000, of which $150,000,000 would be used to develop programs for extending medical and hospital services to persons unable to pay the full cost.

Other grants would be authorized as follows:—School health services, $35,000,000 annually; hospital construction, $150,000,000 a year; development of local public health services, an unspecified amount estimated at about $25,000,000 annually by 1952, and for maintaining and increasing enrollment in medical schools, $500 per school annually for each medical student up to its average past enrollment and $750 for each student above that average.

The bill would also create a national health agency in the Executive branch of the government but makes no provision for a single health and welfare cabinet department. The sponsors said the primary responsibility for health, welfare, education and housing rested with the states.

## Obituaries

### Charles R. Cook

Charles R. Cook, chairman of the board of the Cook Paint & Varnish Company, Kansas City, died recently in Miami Beach, Fla. He was sixty-four years of age. Mr. Cook started in the paint industry with the A. M. Hughes Paint & Glass Company, Kansas City, which was taken over by the C. R. Cook Paint Company in 1913. The company's name was changed in 1919.

In his earlier years Mr. Cook was active in national paint trade affairs. He served as president, and also vice-president, of the Paint Manufacturers' Association of the United States; a director of the National Paint, Oil & Varnish Association; chairman of the naval stores committee of the National Varnish Manufacturers' Association; member of the educational bureau of the Paint and Varnish Manufacturers Association, and chairman of a joint committee on simplification of the NPOVA and the PVMA.

### Walter L. Dedon

Walter L. Dedon, executive vice-president and treasurer of the Archer-Daniels-Midland Company, died on April 8 in his office in the Roanoke building, Minneapolis. He was fifty-nine years old. Mr. Dedon had joined the Midland Linseed Products Company in 1911 and became affili-

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Oil, Paint and Drug Reporter, Vol. 155, No. 16, April 18, 1949. Published every Monday by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, Cuba, Central America and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1949, by Schnell Publishing Company, Inc.

## *Who Has It?*

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

2,7-Diaminoacridin.
6,7-Dihydroxybenzofuranone.
Ethylsulphochloride.
Methyl parastearylaminophenyltrimethyl ammonium.
Orthanilic acid.
Phorin.
Phenylurethane sulphochloride.
Phthalyl sulfacetamide.
Piperonyl cyclohexanone.
Sulphydryl pentathionate.
3-Sulphododecyl sodium benzoate.
Vinyl phosphate.

## *Foreign Sales Leads*

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Automotive lubricants, Las Palmas, Canary Islands (DO-4).
Carnauba wax, Hamburg, Germany (DO-5).
Ivory nuts, Tokyo, Japan (DO-1).
Laboratory machinery, Quito, Ecuador (DO-3).
Lard, Habana, Cuba (DO-2, producers only).
Paint-spraying equipment, Hastings, England (DO-6, agency).
Soybean oil, Habana, Cuba (DO-2, producers only).

## ECA Announces Additional Procurement Authorizations

New procurement authorizations to Marshall Plan countries announced by the Economic Cooperation Administration during the period April 7 through April 13 amounted to $15,442,000 of which $13,793,000 was for materials from the United States. The total of authorizations to date amounts to $5,146,865,000. Among the new authorizations were the following:—

To Austria—$18,000 for oilcake and meal, and decreases of $38,000 for tallow and other animal fats and oils, $18,000 for pesticides, $100,000 for copper, $271,000 for peanuts, $44,000 for skim milk, all from the United States.

To Belgium - Luxembourg — $1,000,000 for chemicals except fertilizers and synthetic rubber from the United States.

To Bizone - Germany — Decreases of $173,000 for peanuts and $435,000 for soybeans from the United States, and $230,000 for copra from the Philippines.

To Denmark—$1,528,000 for oilcake and meal from Latin America and decreases of $26,000 for soybean oil and $8,000 for vegetable oils and fats from the United States.

To France—$147,000 for industrial chemicals other than alcohol and $345,000 for nonmetallic minerals from Canada, and $35,000 for linseed oil from the United States.

To French Overseas Territories—$80,000 for non-metallic minerals from Canada and decreases of $532,000 for dried whole milk from the United States.

To French Zone Germany—A decrease of $586,000 for lard from the United States.

To United Kingdom—A decrease of $385,000 for chemicals except fertilizers and synthetic rubber from the United States.

## National Lead Appoints Terwilliger to New Post

W. A. Terwilliger has been appointed manager of the pigment division of National Lead Company's Atlantic branch. He succeeds William F. Hurley, who has retired. J. A. Zang becomes assistant manager of the Atlantic Branch pigment division.

Mr. Terwilliger joined National Lead in 1919 as a sales representative in New York State. He was transferred to the Atlantic branch sales staff in 1939 and in 1941 became assistant manager of the branch linseed oil department. In 1942 he was appointed sales manager of the branch. He held that position until the present appointment.

Mr. Zang started his company career in 1905 and served as a billing clerk, bookkeeper, cashier, metal department assistant in the Atlantic branch, assistant to the comptroller and manager of the branch's export department. In 1922 he was transferred to the sales department and in 1939 became sales manager of the white lead division of the branch.

Mr. Hurley joined the company in 1911 as an accountant with the Matheson Lead Company. He became office manager and later assistant manager of the company. He joined the Atlantic branch staff in 1927, becoming sales promotion manager, then sales manager of painters' products in May, 1942. In October of the same year he was named assistant manager of the branch and in January, 1949, manager of its pigment division.

## Organon Names Stragnell Executive Vice-President

Organon, Inc., pharmaceutical manufacturer, Orange, N. J., has appointed Dr. Gregory Stragnell executive vice-president and general manager of its plant in Orange. Dr. Stragnell, who assumed his new duties early this month, has been associated with the pharmaceutical industry for many years.

## *Foreign Market Lists*

List of foreign outlets for chemicals and related materials and consumers goods recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 for a list for any one country:—

Beverage manufacturers—Trinidad.
Boat and ship builders, repairers, chandlers—Siam.
Chemical importers, dealers—Guatamala.
Dyestuff manufacturers—Italy.
Hospitals—Mauritius.
Photographic supply dealers—France.
Plastic material makers, processors—Denmark.
Soap manufacturers—Siam.

# An Analysis of the ITO Charter

*The international commercial relations committee of the Synthetic Organic Chemical Manufacturers Association has distributed to its members an analysis of the charter of the International Trade Organization. The analysis was prepared by E. G. Davies of C. K. Williams & Co., Easton, Pa., who gave SOCMA and this publication permission to reprint it. Mr. Davies emphasizes that his analysis is not a complete one, as such an analysis would be practically as long as the charter itself. The Department of State's views on the ITO appeared in a series of articles in OPD, starting on January 24. The following is the first in a series of three articles:—*

Imagine the reaction of Congress and the general public if, in soliciting the support of his colleagues on a piece of Federal legislation, a senator or representative were to assure them that the bill, if passed, would commit our country to a program under which we would:—

Risk our national security and even our national sovereignty;

Be required to abandon some of our Federal laws in order to comply with rules and regulations of a world bureaucracy;

Permit our constitution to be changed by a world bureaucracy;

Be expected to share our exhaustible natural resources with other countries, and reduce the supplies to them only if we reduce our own production or consumption at the same time;

Be expected to share our arts, skills, products and productive facilities with foreign nations, on terms equally as advantageous as we enjoy;

Surrender to a world bureaucracy the control of our tariff policies, and

Accept and abide by many other concepts completely foreign to us?

Incredible as it may seem, this is exactly what is proposed in H.J.RES. 14, introduced into the House by Representative Fulton on January 3, 1949, and an identical resolution H.J.RES. 71, introduced by Representative Javitz January 6, 1949.

They provide that the President is to be authorized to accept membership for the United States in the ITO, and that an appropriation therefor be authorized.

Both resolutions contain the full text of the Havana Charter of the ITO. Both were referred to the committee on foreign affairs. As this is written they have not been docketed for consideration, but doubtless they or similar legislation, perhaps in the senate, soon will be.

**History of Charter**

The history of the development of the Havana Charter, and its provisions for the guidance and even control of the economic principles and social doctrines of practically the entire world by a superbureaucracy, are of paramount importance to every individual in the United States.

On November 1, 1945, the Department of State of the United States released a document titled, "Proposals for Expansion of World Trade and Employment." Approximately three months later, again on the initiative of the United States, the economic and social council, a subsidiary body of the United Nations, adopted a resolution calling for an international conference on trade and employment, and set up a preparatory committee to develop a program.

This committee was to meet in London, and in anticipation of the meeting our State Department developed its original proposals into a suggested charter for an International Trade Organization of the United Nations.

**First Session in 1946**

The first session of the preparatory committee was held in London in October and November of 1946. There emerged the so-called London draft (of a charter). Among the participants were a number of representatives of countries which operate under a planned economy, and concessions made to them brought changes in the original suggested charter proposed by our State Department.

The next step was a conference in Geneva in the autumn of 1947, in which the Geneva draft was written. This time representatives of twenty-two nations participated, and again the impact of their planned economy concepts was reflected in the changes made in the charter.

Next came Havana, where representatives of fifty-seven nations participated in a conference scheduled for six weeks duration, but which lasted from November 21, 1947, to March 24, 1948, on which date there emerged the Havana Charter, which was signed by representatives of fifty-three nations (for the most part with reservations), and which bore still further imprint of "planned economy thinking."

**Structure of ITO**

The structure of the ITO is described in articles 71 -3 -4 -5 -8 and 9 of the charter. Briefly they specify that members of the organization shall be states, that is, governments, which meet the established requirements, which are broad; all of the members shall constitute a conference, on which each member shall have one representative; each member shall have one vote in the conference; decisions of the conference shall be taken by a majority of the members present and voting; there shall be an executive board of eighteen members selected by the conference and on which each board member shall have one vote and decisions shall be taken by a majority of the votes cast; there shall be a director-general elected by the conference; and the usual staff employees are provided for. (Note particularly that each member, i.e., each participating nation, is to have one representative on the conference, and that each representative is to have one vote.)

**Purposes and Objectives**

The purpose and objective of the ITO are stated in article 1 of the charter, as follows:—

"Recognizing the determination of the United Nations to create conditions of stability and well-being which are necessary for peaceful and friendly relations among nations,

"The parties of this charter undertake in the fields of trade and employment to co-operate with one another and with the United Nations for the purpose of:—

"Realizing the aims set forth in the charter of the United Nations, particularly the attainment of the higher standards of living, full employment and conditions of economic and social progress and development, envisaged in article 55 of that charter.

**Action to Obtain Objectives**

"To this end they pledge themselves, individually and collectively, to promote

—*Continued on page 56*

# *Washington Talks It Over*

**By Ralph L. Cherry**

It is becoming more and more difficult, as time goes on, to make any predictions of the probable outcome of the fight over repeal of the Taft-Hartley law. There are many persons now who believe that when the session is over the law will still be on the statute books.

A large number of labor contracts expire this Spring, and the unions have been making a vigorous drive for early action on repeal of the law; but they haven't been able to get their ducks lined up sufficiently to knock the law over. It had been planned originally to take up the repeal bill in the house last Monday, but a canvass showed a lack of enough votes, and the plans were called off until after the Easter recess.

The feeling is that the labor lobbyists in Washington have been blocked in their efforts to win the supporting votes of doubtful congressmen and a change in strategy is called for. So, the house has been given a long Easter recess, something that has not occurred since long before the war, so that the members could go home where the local labor bosses can work on them.

The end-result may be that Congress will pass a repeal law which will revive the Wagner act with amendments. But, if it goes too far in continuing provisions of the Taft-Hartley law which are opposed by labor, Mr. Truman is virtually committed to veto the bill. The net result would be continuance of the Taft-Hartley act unchanged.

**Farm and Fertilizer Prices**

Farmers paid approximately 14 percent more per ton for fertilizer in 1948 than in 1947, the Department of Agriculture reports. The increase for 1947 over 1946 was 12 percent. This Spring, fertilizer prices are slightly higher than a year ago. From 1947 to 1948, fertilizer costs to farmers increased a little more than did prices received by farmers. This is the first time since the prewar years that

—*Continued on page 36*

## SOCMA Hears Alcohol Price May Continue Low

A prediction that the present depressed condition of the alcohol market may well continue if governmental support of potatoes couples with broader use of the Fischer-Tropsch process to further increase the supply of alcohol, was voiced by Dr. James H. Boyd, consultant, in a talk before the monthly meeting of the Synthetic Organic Chemical Manufacturers Association in New York on April 13.

In discussing other expectable developments, Dr. Boyd said that in the petroleum chemicals field competition between permanent and non-permanent antifreezes will substantially ease the present shortage of the permanent type.

He characterized increased freight rates as a critical influence on chemical development on the Gulf Coast, and predicted that producers in that section would soon be shipping paraformaldehyde, rather than formaldehyde, because of freight economies so effected. The change to the concentrated material would, in turn, necessitate revision of plastics manufacturing processes, he noted.

Dr. Boyd spoke of an increasing tendency to base chemical production on petroleum rather than coal, and cited the nylon-from-butadiene plant at Victoria as a case in point. However, he felt that petroleum aromatics might not reach a price level that would warrant the high plant cost of increased large scale production.

Synthetic detergents are still far from their ceiling, he said, and their production may double over a period of some years. Sulphur chemicals are attracting intensive study in the rubber field and in other industries, he added.

In conclusion, the speaker declared that the transition from sellers' to buyers' markets is freeing management from its preoccupation with materials procurement for long range planning that will insure a continued flow of diversified new materials in the chemical field.

J. G. Lerch, SOCMA counsel, gave a status report for the international trade relations committee in the absence of its chairman, A. T. Loeffler, Monsanto Chemical Company. William Harmon, American Cyanamid Company, commented briefly on arrangements for the association's annual outing on June 7 to 9.

## Cobalt Products Plant To Be Built in Canada

The New Cross Chemical Company, Ltd., Croydon, England, plans construction of a plant at Cobalt, Ontario, Canada, for the production of salts, oxides, chemical solutions and other derivatives of metallic cobalt.

F. I. Hibbert, managing director of the British firm, said in New York last week that the decision of the company to relocate in Canada was necessitated by the acute shortage of cobalt in England which, he added, will become more acute as the multi-million-dollar rearmament program of the Atlantic defense pact is effected.

Use of metallic cobalt for rearmament purposes, Mr. Hibbert declared, will create a shortage of cobalt in unrefined forms that are used by the chemical industry.

The processes of the new plant will be interrelated with the adjoining smelter and mines of the Silanco Mining & Refining Company.

## Mich. Chemical Elects Wismer New President

Michigan Chemical Corporation, St. Louis, Mich., has elected Roy N. Wismer president, to succeed T. C. Davis, who has been named chairman of the board.

Other new officers of the organization are:—executive vice-president, R. A. Bondurant; vice-president in charge of operations and assistant to the executive vice-president, L. D. Simmons; vice-president, A. M. Byers; secretary, Paul W. Blume, and comptroller and treasurer, C. G. Woods. Mr. Bondurant will also continue to serve as general manager of the company.

## Nuodex Names Van Tuin Paint Sales Manager

Nuodex Products Company, Elizabeth, N. J., has appointed John W. Van Tuin general sales manager for the paint and allied industries. Mr. Van Tuin, who was formerly western divisional sales manager of the company, will make his headquarters in Elizabeth. He joined the Nuodex organization in 1940 after a period of service with the Sherwin-Williams Company.

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## *Association Meetings*

Affiliated Drug Stores, New Yorker hotel, New York, September 11-15.
American Association of Cereal Chemists, Statler hotel, New York, May 16-20.
American Association of Textile Chemists and Colorists, Chalfonte-Haddon Hall, Atlantic City, N. J., October 13-15.
American Chemical Society, Atlantic City, N. J., September 18-23.
American Electroplaters Society, Schroeder hotel, Milwaukee, Wis., June 27-30
American Institute of Chemical Engineers, William Penn hotel, Pittsburgh, Pa., December 4-7.
American Management Association, packaging exposition, Atlantic City, N. J., May 10-13.
American Oil Chemists' Society, Roosevelt hotel, New Orleans, La., May 10-12.
American Petroleum Institute, Chicago, November 7-10.
American Pharmaceutical Association, Jacksonville, Fla., April 24-30.
American Pharmaceutical Manufacturers Association, Homestead hotel, Hot Springs, Va., June 9-11.
American Plant Food Council, Mount Washington hotel, Bretton Woods, N. H., June 19-22.
American Society for Quality Control, Copley Plaza hotel, Boston, May 5-6.
American Society for Testing Materials, Chalfonte-Haddon Hall, Atlantic City, N. J., June 19-22.
American Spice Trade Association, Edgewater Beach hotel, Chicago, May 9-11.
American Water Works Association, Stevens hotel, Chicago, May 30-June 1.
Associated Chain Drug Stores, New Yorker hotel, New York, September 25-29.
Association of Consulting Chemists and Chemical Engineers, Sheraton hotel, New York, April 25.
Chamber of Commerce of the United States, Washington, May 2-5.
Chemical Institute of Canada, Halifax, Nova Scotia, May 30-June 1.
Drug, Chemical and Allied Trades Section, New York Board of Trade annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 22-25.
Federal Wholesale Druggists Association, Atlantic City, N. J., October 5-8.
Federation of Paint and Varnish Production Clubs, Chalfonte-Haddon Hall, Atlantic City, N. J., November 3-5.
Flavoring Extract Manufacturers Association, Drake hotel, Chicago, May 16-18.
Forest Products Research Society, Grand Rapids, Mich., May 2-4.
Independent Petroleum Association of America, Roosevelt hotel, New Orleans, May 3-4.
International Congress of Military Medicine and Pharmacy, Mexico City, Mexico, October 23-29.
International Union of Chemistry, Amsterdam, Netherlands, September 6-10.
Liquefied Petroleum Gas Association, Palmer House, Chicago, May 9-11.
Magnesium Association, Edgewater Beach hotel, Chicago, April 19-20.
Manufacturing Chemists Association, Skytop Inn, Skytop, Pa., June 2-3.
National Association of Insecticide and Disinfectant Manufacturers, Drake hotel, Chicago, June 13-14.
National Association of Purchasing Agents, Stevens hotel, Chicago, June 20-22.
National Association of Retail Druggists, Seventy-First Regiment Armory, New York, September 18-22.
National Cottonseed Products Association, French Lick Springs, Ind., May 23-25.
National Foreign Trade Council, Waldorf-Astoria hotel, New York, October 31-November 2.
National Fertilizer Association, White Sulphur Sorings, W. Va., June 13-15.
National Fruit and Syrup Manufacturers Association, Drake hotel, Chicago, May 19.
National Paint, Varnish and Lacquer Association, Chalfonte-Haddon Hall, Atlantic City, N. J., October 31-November 1.
National Pest Control Association, Biltmore hotel, Los Angeles, Calif., October 17-19.
National Petroleum Association, Traymore hotel, Atlantic City, September 14-16.
National Sanitary Supply Association, Sherman hotel, Chicago, May 8-11.
National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.
Natural Gasoline Association, Texas hotel, Fort Worth, Tex., April 20-22.
Navy Industrial Association, Waldorf-Astoria hotel, New York, September 28.
Pacific Chemical Exposition, San Francisco Civic Auditorium, November 1-5.
Packaging Institute, annual forum, Commodore Hotel, New York, October 24-26.
Packaging Machinery Manufacturers Institute, Edgewater Beach hotel, Chicago, October 31-November 2.
Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., June 1-3.
Society of Cosmetic Chemists, Spring meeting, Biltmore hotel, New York, May 20.
Society of the Plastics Industry, Edgewater Beach hotel, Chicago, May 26-27.
Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, May 11, annual outing, Shawnee Inn, Shawnee-on-Delaware, Pa., June 7-9; annual meeting, Commodore hotel, New York, December 7.
Toilet Goods Association, Waldorf-Astoria hotel, New York, May 17-19.
Western Conference on Packaging, Packing and Shipping and Western Packaging Exposition, San Francisco Civic Auditorium, August 9-12.

## AGA Conference May 23-25

The technical section of the American Gas Association will hold a joint production and chemical conference at the New Yorker hotel, New York, on May 23 to 25.

## Lead Industry Leaders Forecast Increased Use

Optimistic forecasts of the future of lead in the paint, chemical and process industries were voiced by speakers at the recent annual meeting of the Lead Industries Association in Chicago.

J. H. Schaefer, vice-president of the Ethyl Corporation, pointed out that additional demand for tetraethyl lead for antiknock compounds develops when the demand for gasoline is less than the production capacity, and added that his company is planning substantial increases in its production facilities during 1949 and 1950. W. P. Carroll, manager of the metal department of the National Lead Company, took note of instances where inroads were made in the use of lead in the chemical and process industries by substitute materials taking advantage of the high lead price, but added that by comparative testing and proper education it is hoped that the number of substitutes classed as competitive from the standpoint of serviceability may be materially reduced.

The cooperative efforts of the association's red lead technical committee were cited by M. M. Zoller, vice-president of the Eagle Picher Sales Company, as an example of the attempts to increase lead usage through the improvement of products. He took note of the fact that lead oxides have been gaining or holding their own in the pottery and insecticide field, and added that the most promising outlet for lead oxides appears to be shown by the television industry, which depends to a large extent on leaded glass.

F. E. Wormser, St. Joseph Lead Company, was reelected president of the association, and K. C. Brownell, American Smelting & Refining Company, and J. A. Martino, National Lead Company, were returned to their former posts as vice-presidents.

## Plant Food Council Sets Meeting Program

Representative Harold D. Cooely, chairman of the house agricultural committee, will be the featured speaker at the annual banquet of the American Plant Food Council on June 21, to be held as a part of the council's annual meeting at the Mount Washington hotel, Bretton Woods, N. H., from June 19 to 22.

The business session of the convention on June 20 will begin with an address by Clifton A. Woodrum, president of the council, followed by an agricultural panel on "Fertilizer, Farming and the Future" with Dr. Paul D. Sanders, editor of *The Southern Planter*, as moderator. Other panel speakers will include Representative Charles B. Hoeven, member of the house agriculture committee; Dr. Robert M. Salter, chief, bureau of plant industry, soils and agricultural engineering, Department of Agriculture, and Dr. Robert F. Chandler, jr., director, New Hampshire Agricultural Experiment Station and dean, College of Agriculture, University of New Hampshire.

Dr. William I. Myers, dean of agriculture, State College of Agriculture, Cornell University, will be the principal speaker on the morning program, June 21. Following Dr. Myers, talks will be heard

—*Continued on page 45*

## Oil Chemists Plan May Meeting Program

The American Oil Chemists Society has completed the list of technical papers to be presented at its fortieth annual meeting, to be held at the Roosevelt hotel, New Orleans, on May 10 to 12. The papers are as follows:—

"The Dicarboxylic Acids of Japan Wax," by H. A. Schuette and R. M. Christensen; "Polymerization of Drying Oils. V. Further Observations on the Reaction of Unsaturated Dibasic Anhydrides with Methyl Linoleate," by H. M. Teeter, U. S. Kini, R. A. Myren and J. C. Cowan; "Reactions of Tertiary Butyl Hypochlorite with Vegetable Oils and Their Derivatives. II. Methyl Oleate," by H. M. Teeter and J. E. Jackson.

"Modification of Vegetable Oils. VIII. Conversion of Monoesters of Fatty Acids to Triglycerides," by Audrey T. Gros and R. O. Feuge; "Some Additional Notes on the Kinetics of Oil Hydrogenation," by A. E. Bailey; "Chemical Properties of Active Carbon," by John W. Hassler; "A New Solvent Extraction Process for Soybean Oil," by O. R. Sweeney and L. K. Arnold.

"Solvent Extraction of Rice Bran Oil. Production of B-Vitamin Concentrate and Oil by Isopropanol Extraction," by W. W. Meinke, Bryant R. Holland and W. D. Harris; "Isopropanol as a Solvent for Extrac-

—*Continued on page 74*

## *Wins Schoellkopf Medal*

Robert L. Murray, executive vice-president of the Hooker Electrochemical Company, Niagara Falls, N. Y., has been awarded the 1949 Jacob F. Schoellkopf Medal of the western New York section of the American Chemical Society. Mr. Murray was cited "for his engineering ability and for his unusually able direction of chemical research and development in the chlorine and alkali industry." The medal will be presented at the Niagara hotel, Niagara Falls, on May 17.

## U.S. Chamber Expands Annual Meeting Plans

Problems faced by distributors in a buyers market and proposals for changes in labor law will be examined at special luncheon sessions on May 4 during the thirty-seventh annual meeting of the Chamber of Commerce of the United States, to be held in Washington from May 2 to 5.

The session for distributors and others interested in distribution questions will be presided over by James W. Baker, chairman of the chamber's domestic distribution department committee, and the labor law session will be under the chairmanship of Richard K. Lane, president of the Public Service Company of Oklahoma and chairman of the chamber's labor relations committee.

## Textile Technology Inst. Reelects Milliken Chairman

Roger Milliken, president of Deering Milliken & Co., New York, was reelected chairman of the board of the Institute of Textile Technology, Charlottesville, Va., at the annual meeting of the board on April 8. Joe L. Lanier, West Point Manufacturing Company, West Point, Ga., was elected vice-chairman, and all other officers and board members were returned to office.

Named to the board of trustees at the annual membership meeting prior to the board meeting were:—T. M. Bancroft, Mt. Vernon-Woodberry Mills, Inc., Baltimore; Herman Cone, Cone Mills Corporation, Greensboro, N. C.; Julian T. Hightower, Thomaston Mills, Thomaston, Ga.; Charles H. Merriman jr., Crompton-Shenandoah Company, Waynesboro, Va.; Charles B. Nichols, Appleton Company, Anderson, S. C.; R. W. Philip, Callaway Mills Company, LaGrange, Ga.; Walter Regnery, Joanna Cotton Mills Company, Joanna, S. C., and S. H. Swint, Graniteville Company, Graniteville, S. C.

## Vitamin Foundation Headed by Gifford

The National Vitamin Foundation has elected as president Dr. E. Gifford, vice-president of the Upjohn Company, Kalamazoo, Mich. He succeeds Basil O'Connor, attorney, who was named to the newly created post of honorary chairman of the board of governors. J. Paul Folsom, Lederle Laboratories division of the American Cyanamid Company, was elected board chairman, and H. B. Fonda, of Burroughs Wellcome & Co., was elected vice-president.

## LaQue Gets NACE Award

F. L. LaQue, head of the corrosion engineering section of the development and research division of the International Nickel Company, New York, has been awarded the Frank Newman Speller Award in Corrosion Engineering by the National Association of Corrosion Engineers.

## Zinc Supplies Believed Ample for U.S. Needs

The annual primary slab zinc capacity at the end of 1949 will be 938,000 tons, while the actual estimated production for the year is 869,000 tons, Howard I. Young, president of the American Zinc, Lead & Smelting Company, St. Louis, told the thirty-first annual meeting of the American Zinc Institute in St. Louis on April 11.

Mr. Young, president of the institute since 1935, was succeeded in office by Edward H. Snyder, president of Combined Metals Reduction Company, Salt Lake City.

To the actual estimated production of 869,000 tons should be added the estimated production of slab zinc from secondary material, which, for the current year, Mr. Young said, will no doubt be around 60,000 tons. The total production of all grades of slab zinc for the year he estimated to be 929,000 tons. The primary and secondary smelting capacity brings the combined total capacity to 998,000 tons at the end of 1949, he added.

"Our present productive capacity is, in my judgment," Mr. Young declared, "adequate under present day conditions to supply our domestic requirements and add to the government stockpile a reasonable tonnage of metal converted from government-owned concentrates.

"The estimated over-all production, primary plus secondary, for 1949 of 929,000 tons is substantially above the production for 1948. The current rate of production, however, is about at our estimated level.

"The question that arises in the minds of many of us is how much of our domestic production will be required to meet foreign demands. I think we are safe in assuming that we will import from Canada, Mexico, and European smelters a tonnage of slab zinc during the current year that will be equal to or exceed our exports to South America, European countries, and ECA requirements."

In the direction of zinc pigments, R. G. Kenly, manager of the metal division of the New Jersey Zinc Sales Company, New York, said that titanium dioxide may crowd out some zinc products, but the use of zinc dust-zinc oxide paints for rust prevention seems to be on the increase. He noted that at last year's convention the program had six speakers discussing the outlook for zinc markets, whereas at the one this year the subject was assigned to only one speaker.

Evan Just, director of the strategic materials division of the Economic Cooperation Administration, reported that it does not seem likely that ECA activity will have an important impact on domestic producers of copper, lead, zinc and aluminum.

He stated that this party because natural conditions limit the opportunities for new development and partly because, in regard to these metals, ECA activity will apparently stimulate consumption approximately as much as production.

"In any event," Mr. Just declared, "whatever level of production is established in regard to non-ferrous metals, it seems unlikely that any production established

—*Continued on page 43*

## Int. Chemistry Union To Meet in Amsterdam

The International Union of Chemistry will hold its fifteenth conference in Amsterdam, the Netherlands, on September 6 to 9. Among the subjects to be discussed by the committee on thermochemistry at the meeting will be:—value of the heat of combustion of pure benzoic acid under the standard conditions of the calorimetric bomb process; determination of the heat of combustion of organic compounds containing sulphur; determination of the heat of combustion of organic compounds containing halogens, and physico-chemical symbols and terminology used in thermochemistry.

## APhA Names McDonald To Editorial Position

Walter H. McDonald has been named managing editor of the practical pharmacy edition of the *Journal of the American Pharmaceutical Association*, succeeding Glen Sonnedecker, who left the association last year to take a fellowship course in pharmacy at the University of Wisconsin. Previous to taking up his duties with the APhA, Mr. McDonald was assistant director of publicity for the National Paint, Varnish and Lacquer Association. It was stated by the NPVLA that there are no plans for filling his place.

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# Current Market Quotations

## Chemicals and Related Materials

### April 15, 1949

**Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.**

**All matters under this heading fully protected by copyright.**



## A

Acacia (see Gum, arabic).
Acetaldehyde, 99%, dms., c.l., works, lb. .12 - —
l.c.l., works lb. .12½- .13
tanks, works lb. .10 - —
Acetaldol (see Aldol).
Acetamide, CP, fib, dms lb. .65 - .75
tech., fib. dms lb. .38 - .43
Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - .23½
l.c.l., ton lots lb. .23 - .24½
smaller lots lb. .26 - .27½
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —
Acetic anhydride, dms., c.l., frt. alld. E lb. .13½- —
l.c.l., frt. alld. E lb. .13 - —
tanks frt. alld. E lb. .12 - —
Acetoacetanilide, bbls., dlvd lb. .67½- —
fib. dms., c.l., works lb. .65 - —
l.c.l. lb. .67½- —
Acetoacetorthoanlsidide, dms., wks., 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb. 1.75 - —
Acetoacetorthochloranilide, bbls., works lb. 1.15 - —
fib. dms., c.l., works lb. 1.14 - —
l.c.l., same basis lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd. lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —
Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .09½- .10
tanks, dlvd lb. .07½- —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .40 - —
l.c.l., works lb. .45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.20
Acetophenone, cns., dms lb. 1.30 - 1.83
tech., l.c.l., dms., works lb. .75 - —
Acetoactoparaphenetidide, dms., 500 lbs. or more, works. lb. 1.65 - —
smaller lots, same basis lb 1.90 - —
Acetyl chloride, cbys., works lb. .55 - .60
Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs lb. .41 - .47
Acid, abietic, dms., c.l., works lb. .07½ - —
Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.50 - 4.75
56%, bbls 100 lbs. 7.90 - 8.15
70%, bbls 100 lbs. 9.60 - 9.85
80%, bbls 100 lbs.10.85 -11.10
glacial, synthetic, CP, dms., works 100 lbs.13.50 -14.00
USP, dms., works 100 lbs.11.50 -12.00
tech., dms., c.l., works 100 lbs.10.00 -11.00
tanks, works 100 lbs. 8.60 - 9.12
Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls., same basis. lb. .48 - —
Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Adipic, fib. dms., works lb. .26½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 1.10
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs lb. .20 .22
Ascorbic, USP, dms., 500-kilo lots. kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 1.75
l.c.l., E. works 100 lbs. 2.15 2.85
Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —
USP, bbls., 4,000 lbs. up lb. .54 - —
1,000 to 3,900 lbs. lb. .55 - —
900 lbs. or less lb. .58 - .59
dms., 4,000 lbs. up lb. .55 - .56
1,000 to 3,900 lbs lb. .56 - .57
900 lbs. or less lb. .58 - .59
Betaoxynaphthoic, bbls., works lb. 1.25 1.43
Boric, tech., 99½%, cryst., bgs., c.l., works ton.115.25 - —
ton lots, ex whse. N. Y. or Chi ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi ton.180.00 - —
less ton lots, same basis. ton.185.00 - —
bulk, c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots, ex whse., N. Y. or Chi ton.135.00 - —
less ton lots, same basis. ton.140.00 - —
bbls, c.l., works ton.110.25 - —
ton lots, ex whse., N. Y. or Chi ton.155.00 - —
less ton lots, same basis. ton 160.00 - —
bulk, c.l., works ton.86.75 - —
powd., bgs., c.l., works ton.95.25 - —
ton lots, ex whse., N. Y. or Chi ton.140.00 - —
Acid, boric, tech., 99½%, powd., less ton lots, same basis. ton.145.00 - —
bbls., c.l., works ton.115.25 - —
ton lots, ex whse., N. Y. or Chi ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bulk, c.l., works ton.91.75 - —
USP $25 per ton higher.
Broener's bbls. lb.12.00 -13.00
Butyric, 99%, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —
Cacodylic, bots. lb.12.00 -13.00
Camphoric, natural, dms lb. 6.00 - 6.75
synth., dms lb. 5.25 - 8.00
Capric, tech., dms lb. .50 - .50½
Caprylic, 99%, dms lb. .50 - .50½
Castor oil, split, dms lb. .21 - .22
Chlorosuiphonic, dms., c.l., works. lb. .03 - —
l.c.l., works lb. .03½- .04½
tanks, works lb. .02½- —
Chromic, 99½-99¾%, dms., c.l. works lb. .25½- —
l.c.l., works lb. .26 - .27
USP, 5 lb. bots. lb. .32 - —
Cinnamic, refd., bots lb. 3.00 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs., 1 ship't lb. .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —
Anhydrous citric acid powder, ½c. per lb. higher.
USP, cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb. .28½- —
kgs. lb. .29½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bbls lb. .65 - .66
Coconut oil, dist., dms. lb. .22¾- .23¾
double, dist., dms lb. .24¾- .25¾
Corn oil, s.d., dms lb. .10 Nom.
Cottonseed oil, dist., dms lb. .09½- .10½
Cresylic, dom., coaltar, high boil 50% (210°-215°), c.l., frt. equald gal. 1.36 - 1.41
l.c.l., same basis gal. 1.39 - 1.44
tanks, same basis gal. 1.30 —
low boil, 50% (204°-206°), and special blends, c.l., same basis gal. 1.41 - 1.46
l.c.l., same basis gal. 1.44 - 1.49
tanks, same basis gal. 1.35 - —
Acid, cresylic, dom., petroleum, 185°C to 205°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 1.005 - —
l.c.l., same basis gal. 1.025 - 1.045
tanks, same basis gal. .925 —
190°C to 220°C non-ret., dms., c.l., San Francisco and Los Angeles gal. .93 —
l.c.l., same basis gal. .95 .97
tanks, same basis gal. .85 —
210°C to 240°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .745 —
l.c.l., same basis gal. .765 .785
tanks, same basis gal. .665 —
235°C. to 271°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .82 —
l.c.l., same basis gal. .72 .74
tanks, same basis gal. .62 —
Crotonic, bbls., Canadian, works lb. .35 - —
Dichlorophenoxyacetic, (see "D", 2, 4-D)
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .22 - —
Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½- —
tanks, works lb. .29½- —
F, bbls., works lb. 1.73 - 1.78
Folic, bots., fib. ctns., kilo or more gram. 2.00 - —
Formic, 85%, cbys., c.l., dlvd lb. 13 - .13½
l.c.l., dlvd lb. .13½- .14
90%, cbys., c.l., dlvd lb. .13½- .14
l.c.l., dlvd lb. .14 - .14½
Fumaric, tech., bbls., dms lb. .30 .31
Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 1.65
technical, bbls., 1,000-lb. lots lb. 1.43 —
smaller lots lb. 1.46 1.48
Gamma, bbls. lb. 1.20 - 1.30
Gluconic, tech., 50%, bots lb. .23 .31
dms. lb. .14 —
kgs. lb. .16 —
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb. 2.30 2.40
25 lb. lots lb. 2.45 —
Glycerophosphoric, 35%, dms., works lb. 2.15 - —
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .73½- —
Hydriodic, 45-47%, cbys lb. 2.69 —
57%, cbys lb. 2.83 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .38 —
tech., 48%, cbys., dlvd E lb. .34 .36
34%, cbys., dlvd E lb. .35 .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. .80 1.00
dilute, NF, 2%, 5-lb. bots lb. .30 .40
Acid, hydrofluoric, anhyd., cyls., works lb. .19 - .19½
tanks, works lb. .16½- —
30%, steel dms., works lb. .08½- .09
70%, steel dms., works lb. .15¾ .16¼
Hydrofluosilicic, 30-35%, bbls lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .085 - —
Hypophosphorus, USP, djns lb. .75 - .77
J, bbls., works, 20% basis lb. 2.64 - 2.87
L, bbls., works lb. .80 .95
Lactic, edible, 50%, bbls., 20 or more lb. .16 .18
smaller lots lb. .17 .19
80%, bbls., 20 bbls. or more. lb. .28½- —
plastic grade, 50%, bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3370- .3400
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 - .72
Laurent's, bbls lb. .87 - —
Lauric, dist., 85-90%, dms lb. .28 - .28¼
60%, dms. lb. .25 - .25½
Linseed oil, reg dist., dms lb. .3180- .3230
water white, dms lb. .3480- .3530
Maleic, powd., dms lb. .30 - .31
Anhydride (see M).
Malic, dms. lb. .47 - —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 - 2.10
Mixed, tanks, nitric unit lb. .05 - .06
sulphuric unit lb. .0085- .009
Molybdic, dms., 85%-92%, works lb. .92 - .95
Monochloroacetic, purified, flake, 99%, dms lb. .23½ .24¼
tech., flake, 96-97%, bbls lb. .19 .21
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton.20.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.40 - —
tanks, E. works ton.25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
l.c.l., same basis lb. .14¼- .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Myristic, dist., dms lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .88 .91
Nicotinic, USP, dms., works kilo. 8.00 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works. 100 lbs. 5.00 —
l.c.l., E. works 100 lbs. 5.40 6.10
38°, cbys., c.l., E. works 100 lbs. 5.50 —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40°, cbys., c.l., E. works 100 lbs. 6.00 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 7.00
l.c.l., E. works 100 lbs. 6.90 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½- —
l.c.l., same basis lb. .13 - .13¼
5 pint bottles extra, cs., c.l., frt. equald lb. .15½- —
l.c.l., same basis lb. .17 18
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms. c.l., works lb. .67 —
l.c.l. works lb. .69 —
Oxalic, bbls., c.l., works lb. .14½- —
10,000 lbs., works lb. .14¾- .15
smaller lots, works lb. .15¼- .15¾
Palm oil, white, dist., dms lb. .21¼ .21¾
Para-aminobenzoic, purified, dms., 100 lbs., works lb. 3.75 - —
smaller lots, same basis lb. 3.85 - 4.00
Para-aminosalicylic, dms., 100 lbs. lb.20.00 —
smaller lots lb.20.15 -21.00
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .87 —
Paratoluidinmetasulphonic, bbls., works lb. .92 .95
Peanut oil, s.d., dms lb. .12¼ Nom.
Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb 1.51 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).

## *Abbreviations*

### *Used in OPD Market Quotations*

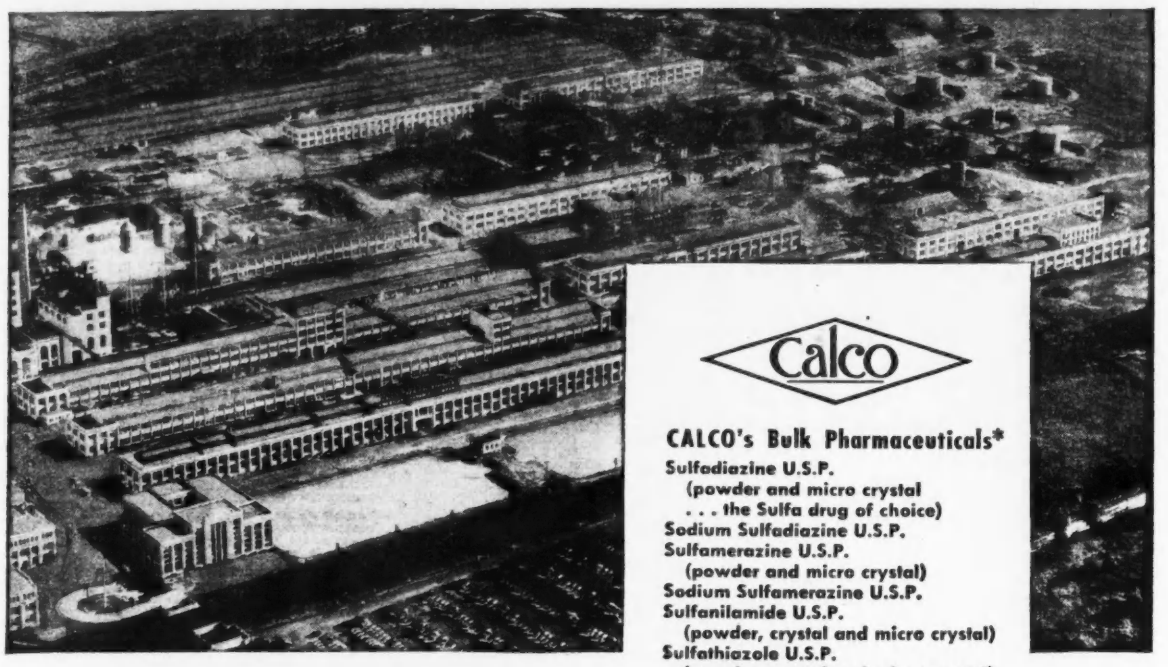
| | | | | | |
|---|---|---|---|---|---|
| alld. | allowed | distr. | distributor | neut. | neutral. |
| ammo. | ammonia | djns. | demijohns | NF | National Formulary |
| amorph. | amorphous | dlvd. | delivered | | |
| anhyd. | anhydrous | dms. | drums | nom. | nominal |
| a.p.a. | available phosphoric acid | dom. | domestic | No. | number |
| artif. | artificial | E. | east | ord. | ordinary |
| ASTM. | American Society for Testing Materials | e.p. | end point | oz. | ounce |
| | | equald. | equalized | Pac. | Pacific |
| | | F. | fahrenheit | pf. | proof |
| Be. | Baume | ferment. | fermentation | phos. | phosphate |
| bgs. | bags | ffa. | free fatty acid | photo. | photographic |
| bbls. | barrels | ffc. | free from chlorine | pkgs. | packages |
| bls. | bales | fib. | fiber | powd. | powdered |
| bots. | bottles | f.o.b. | free on board | precip. | precipitated |
| b.p. | boiling point | F.P.A. | free of prussic acid | prod. | producer |
| b.p.l. | bone phosphate of lime | frt. | freight | pt. | point |
| b.r. | boiling range | fus. | fused | pulv. | pulverized |
| bxs. | boxes | gal. | gallon | purif. | purified |
| C. | centigrade | gran. | granular | redist. | redistilled |
| cbys. | carboys | grd. | ground | refd. | refined |
| CD | completely denatured | i.&a. | iron and aluminum | refy. | refinery |
| c.i.f. | cost, insurance, freight | | | reg. | regular |
| cks. | casks | l.b.p. | initial boiling point | resub. | resublimed |
| c.l. | car lots | | | ret. | returnable |
| cns. | cans | imp. | imported | SD | specially denatured |
| col. | color | incl. | included | s.d | single distilled |
| com'l | commercial | indust. | industrial | S. E. | southeast |
| conc. | concentrated | kgs. | kegs | secs. | seconds |
| CP | chemically pure | lacq. | lacquer | s.g. | specific gravity |
| cps. | centipoises | lb. | pound | ship't | shipment |
| cryst. | crystal | l.c.l. | less than car lots | solut. | solution |
| cs. | cases | liq. | liquid | s.u. | standard unit |
| ctns. | cartons | m.a.p. | mixed aniline point | synth. | synthetic |
| cyls. | cylinders | | | tech. | technical |
| dbl. | double | min. | minimum | USP | U. S. Pharmacopoeia |
| denat. | denatured | m.p. | melting point | vis. | viscosity |
| dest.-dist. | destructive distilled | N. | nitrogen | VM&P | varnish makers & painters |
| dextro. | dextrorotatory | nat. | natural | W | west |
| dist. | distilled | | | w.w. | water white |
| | | | | whse. | warehouse |

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material

## Acid, Phosphoric—Alphanitronaphthalene

Acid, phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l. lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb 2.45 3.60
Pyroligneous bbls., incl., l.c.l., ex whse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, tech., bbls., c.l. lb. .31 - —
smaller lots lb. .38 - —
USP, cryst., bbls., c.l. lb. .40 - —
smaller lots lb. .50 - —
powder, bbls., c.l. lb. .45 - —
smaller lots lb. .55 - —
Sebacic, purif., dms., c.l., works. lb. .52 - —
l.c.l., works lb. .54 - .58
Soybean oil, single dist., dms lb. .1140 - .1220
double dist., dms lb. .1240 - .1340
Stearic, double pressed, bgs. lb. .14½- .15½
single pressed, bgs lb. .14 - .15
triple pressed, bgs. lb. .16¾- .17¾
Acid, succinic, bbls., cryst., purified, works lb. .90 - —
tech., bbls., works lb. .75 - —
Sulphanilic, CP, bots., works lb. 1.60 - 1.63
tech., dms., works lb. .17 - —
Sulphuric, 60°BE, cbys., c.l., E. works 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton. 13.75 - —
66°Be, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton. 17.00 - —
98%, tanks, E. works ton. 18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, E works. ton. 19.00 - —
Tallow, dist., dms lb. .10¼- .11¼
Tannic, tech., 60-62%, dms. lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots. lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., bbls., 10,000 lbs., 1 ship't lb. .34½- —
smaller lots lb. .35 - —
100-lb. dms lb. .36 - —
small, dms lb. .38 - .40
imported, kgs lb. .34 - .36
Acid, thioglycolic, refined, bbls., cbys., basis 100% lb. 1.95 - 2.00
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works, l.c.l. lb. .20 - —
c.l., tanks lb. .18½- —
Tungstic, tech., 100 lb. pkgs. lb. 2.75 - Nom.
Aconite leaves, bls. lb. .55 - .60
Root, bbls. lb. .70 - .75
Aconitine, amorph., mild, bots oz. 27.50 - 32.50
cryst., potent, bots oz. 85.00 - —
Acrylonitrile, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37 - .55
tanks, works lb. .35 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar, USP lb. 3.25 - 4.10
Agaric, white, bls lb. 1.75 - 1.80
Agaric, white, bls lb. 1.50 - 1.75
Alanine, dextro-laevo, dms., works, lb. 8.50 - 11.00
Albumen (egg), edible, flake, bbls. lb. 2.42 - 2.50
powd., bbls lb. 2.47 - 2.55
tech., cryst., bbls lb. 1.30 - 1.35
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., divd lb. .26½- —
l.c.l., divd. lb. .27½- —
tanks, divd. lb. .25 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .18 - —
l.c.l., frt. alld. E. of Miss lb. .19 - —
tanks, frt. alld. E. of Miss lb. .17 - —
(see also Fusel oil, ref.)
Alcohol, amyl, fermentation, refined, 126-132°C, dms., c.l., divd lb. .33½- —
l.c.l., divd lb. .34½- —
tanks, divd lb. .32 - —
128-132°C, dms., l.c.l., divd. lb. .36 - —
ACS grade, dms., l.c.l., divd lb. .42 - —
Benzyl, cns lb. .72 - .80
dms. lb. .68 - .73
Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld lb. .16½- —
l.c.l., frt, alld. E lb. .17½- —
tanks, frt. alld. E lb. .15 - —
tankwagon, frt. alld. E lb. .15½- —
other production, dms., c.l., frt. all. E lb. .16½- —
l.c.l., frt. alld.E lb. .17½- —
tanks, frt. alld. E lb. .15 - —
synthetic, normal, dms., c.l. frt. alld. E lb. .16½- —
l.c.l., frt. alld. E lb. .17½- —
tanks, frt. alld. E lb. .15 - —
Normal synthetic butyl alcohol prices is West .01c. per lb. higher
secondary, dms., c.l., divd lb. .12 - —
l.c.l., divd. lb. .12½- —
tanks, divd. lb. .10¼- —
tertiary, dms., c.l. lb. .13¼- —
l.c.l., dms. lb. .14 - —
tanks lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.80 - 3.55
Denatured, CD12, CD13, CD14, dms., divd. E. of Miss. R gal. .34½- .35
l.c.l., divd. E. of Miss. R. gal. .38½- .44
tanks, divd. E. of Miss. R gal. .25 - —
Tankcar sales require written authorizations by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., divd. E. of Miss. R gal. .33½- .34
l.c.l., same basis gal. .37½- .43
tanks, same basis gal. .24 - —
SD2B, dms., c.l., E. of Miss. R. gal. .31½- .32
l.c.l., same basis gal. .35½- .41
tanks, same basis gal. .22 - —
SD23H, dms., c.l., divd. E. of Miss. R gal. .34½- .35
l.c.l., same basis gal. .38½- .44
tanks, same basis gal. .25 - —
SD29, denatured, with acetaldehyde, dms., c.l., divd. E. of Miss. R gal. .32 - .32½
l.c.l., same basis gal. .36 - .41½
tanks, same basis gal. .22½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Proprietary solvent, dms., c.l., divd. E. Miss. R gal. .34½- .35
l.c.l., same basis gal. .33½- .44
tanks, same basis gal. .25 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., divd lb. .13½- .16½
l.c.l., divd lb. .14 - .17½
tanks, divd lb. .12 - .15
tech., dms., c.l., divd lb. .14 - .15½
l.c.l., divd lb. .16 - .16½
tanks, divd lb. .12½- .14
Ethyl, 190 pf., USP, tax paid, dms., c.l., divd. E. Miss. R gal. 17.40½-17.41
l.c.l., same basis gal. 17.44½-17.50
tanks, same basis gal. 17.31 - —
tax free, dms., c.l., divd. E. Miss. R gal. .30½- .31
l.c.l., same basis gal. .34½- .40
tanks, same basis gal. .21 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.37½-18.38
l.c.l., same basis gal. 18.41½-18.47
tanks, same basis gal. 18.28 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .27¾- —
Isopropyl, refd., 91%, dms. incl., c.l., divd gal. .32½- —
l.c.l., divd gal. .35½- —
tanks, divd gal. .22½- —
95%, dms. incl., c.l., divd gal. .34 - —
l.c.l., divd gal. .37 - —
tanks, divd gal. .24 - —
NF, 99%, dms. incl., c.l., divd. gal. .35½- —
l.c.l., divd gal. .38½- —
tanks, divd gal. .25½- —
Methyl (see Metnanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots lb. 2.40 - —
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .65
Propyl, normal, dms., c.l., works. lb. .12 - —
l.c.l., works lb. .12½- —
tanks, works lb. .10½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia. lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs. lb. .45 - .50
Allspice, Jamaica (see Pimento).
Mexican, bgs. lb. .14¼- .14½
Allyl bromide, cbys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., divd lb. .16½- —
l.c.l., divd. lb. .17 - —
tanks, divd. lb. .15 - —
Aloe, cape, cs lb. .35 - .40
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .43
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld. lb. 4.00 - 4.40
Alphanitronaphthalene, bbls lb. .37 - —


# NICOTINIC ACID • NICOTINAMIDE



**NICOTINIC ACID AND NICOTINAMIDE** are members of the Vitamin B Complex sometimes described as Vitamin PP, and are recognized as specific in the prevention and treatment of pellagra. Appropriate doses cause a rapid disappearance in alimentary, dermal, mental and other manifestations characteristic of the disease. Both these compounds play an intermediate roll in carbohydrate metabolism and it is believed that they are closely associated with other deficiency states of the Vitamin B Complex. It is almost a universal practice to include Nicotinic Acid or Nicotinamide in Vitamin B Complex products and multivitamin preparations.

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**(powder, crystal and micro crystal)**
**Sulfathiazole U.S.P.**
**(powder, crystal and micro crystal)**
**Sodium Sulfathiazole U.S.P.**
**Sulfapyridine N.F.**
**Sodium Sulfapyridine**
**Sulfabenzamide**
**Sodium Sulfabenzamide**
**Aminoacetic Acid N.F.**
**Calcium Pantothenate (Dextro)**
**Choline Chloride**
**Choline Dihydrogen Citrate**
**Cinchophen N.F.**
**(and Sodium Salt)**
**Dicumarol**
**Folic Acid**
**Neocinchophen U.S.P.**
**Mandelic Acid N.F.**
**Calcium Mandelate U.S.P.**
**Menadione U.S.P.**
**Methylene Blue U.S.P.**
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**Nicotinamide HCl.**
**Pyridoxine HCl.**
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## Alphapicoline—Antimony Oxide

Alphapicoline, ret. dms., c.l., works, frt. equald lb. .27 - .30
l.c.l., works, frt. equald lb. .29½- .30
Alphapinene, tanks, South, works gal. .47 —
Alphaterpineol, dms., l.c.l., dlvd lb. .18 - —
Alphatocopherol, bots kilo.600.00 - —
Acetate, bots kilo.600.00 - —
Althea root, NF, peeled, bls lb .30 - .35
Alum, ammonia, gran., bbls., works, 100 lbs. 3.80 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls. lb. .20 - .21
hydrous, bbls. lb. .07¾- .08
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.25 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, hydrous, bbls. lb. .07¾- .08
Potash-chrome, bbls lb. 12½- .15
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 5.00
Alumina, calcined, bgs., c.l., works lb. 03½ —
l.c.l., works lb. 04¾ 06¾
crystalline (see Aluminum oxide)
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 —
20%, bbls., l.c.l., works lb. .10 —
Chloride, anhyd., com'l, dms., c.l., works lb. .12 —
l.c.l., works lb. .12½ —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., works lb. .06½ 06¾
nF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. 02¾- —
l.c.l., works lb. 03¼- —
Fluoride, tech., anhyd., bbls., c.l., frt. equald lb. .10 - —
l.c.l., frt. alld lb. .11 .13

Aluminum formate, basic solution, cbys., c.l lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton.50.00 -54.00
l.c.l., works ton.72.00 -86.00
light, bgs., dlvd lb .17 - —
Hydroxide, gel, pharmaceutical, 14-15% $Al_2O_3$, fib. dms., works lb. .21¼- —
contract, works lb. .20¼- —
9-9½% $Al_2O_3$, fib. dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib. dms., works. lb. .79½- —
contract, works lb. 76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. 48 - —
Metal, 98-99%, ingots, 10.000 lbs. lb. .27 - —
pigs, 10,000 lbs lb. 16 - —
Naphthenate, liq., 1.7% frt alld. lb. 24½- .25
Oleate, dms., contract lb 43¾- —
Oxide, amorphous (see Alumina, calcined).
crystalline, 280-400 crystalline, flour, classified, 3-240 mesh, dms., frt. alld lb. .14 .15
kgs., ton, frt. alld lb. .12½ —
smaller lots, frt. alld lb .13 .15
280-400 mesh, dms., frt. alld lb. .32 .33
kgs., frt. alld lb. .31 —

Aluminum oxide, crystalline, flour, classified, 500 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld lb. .51 - .53
kgs., frt. alld lb. .50 - —
optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb 13.50 —
jars, works lb.15.00 -17.00

Aluminum oxide flour prices W of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms lb .58 - —
standard, dms lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber compp., dms lb. 48½- —
unpolished, standard, dms lb. 44½- —
varnish, standard, dms lb 49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 500 lbs or over.

Resinate, precip., dms., frt. alld. lb. .24¾- —
Stearate, dibasic, ctns., c.l lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l lb. .30 - —
l.c.l. lb. .31 - —

Aluminum sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate)
Ambergris, gray, tins oz. 8.50 -12.00
Aminoazotoluene, bbls lb. .85 —
Aminomethylpropanol, cns., dms., works lb. .50 60
Aminoethylethanolamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 —
Aminophylline, USP, bots., kgs lb. 7.90 - 8.05
Aminopyrine, USP, bots., dms lb. 6.00 - 6.10
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 -85.00
pure, cyls., extra lb. .17 .21
refrigeration, tanks, works ton.77.50 —
Aqua (29.4% $NH_3$), dms., c.l., works 100 lbs. 2.85 3.00
l.c.l., works 100 lbs. 3.25 3.50
tanks, works, anhyd. basis ton.76.00 -85.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 7.50 - —
l.c.l., same basis 100 lbs. 7.90 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 —
l.c.l., works 100 lbs. 6.25 —
Ammoniacal liquor, tankcars, works. ton.80.00 -81.00
Ammonium acetate, purified, dms lb. .39 40
reagent, jars lb. 61 63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 —
smaller lots, frt. alld lb. .81 1.00
Biborate, bbls., c.l., works ton.302.00 - —
ton lots, works ton.355.50 - —
less ton lots, works ton.360.50 - —
Bicarbonate, dms., works, c.l lb. .05½- —
l.c.l., works, dms lb. .06 - —
Bichromate, bbls., works lb. .26 - .30
Bifluoride, dms., dlvd lb .18 - .18¼
Bromide, gran., NF, bbls lb. .36 .37
cms. lb. .37 .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. .18½- 22
powdered, 1c. per lb higher.
Chloride, tech. (see Ammoniac, sal)
USP, bbls., dms., kgs lb. 20 .22
Citrate, dibasic, bbls lb. 75 —
dms. lb .80 .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, jars lb. 3.96 - 4.00
Linoleate, plastic, 80%, dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld lb. .21½- —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, metal grade, kgs lb. .90 - —
chemical grade, bbls., kgs lb. .85 - —
A.C.S., grade, dms lb. .88 —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton.79.50 - —
dom., ngs., western works ton.58.00 -59.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton.46.00 - —
Oleate, dms. lb. .30¾- —
Oxalate, fine gran., dms lb. .25 - —
dms., 100 lbs., lots lb. .27 - —
Pentaborate, gran., bbls., c.l., works ton.£12.00 - —
ton lots, works ton.265.50 - —
less ton lots, works ton.270.50 - —

Ammonia pentaborate powder, $10 per ton higher.

Perchlorate, kgs lb. .25 - —
Persulphate, kgs lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works. lb. .03 - —
l.c.l., works lb. .03½- —
dibasic, NF V, bbls., dms lb. .40 - —
tech., bgs., c.l., works lb. .03 - —
l.c.l., works lb. .03½- —
Salicylate, NF, dms., kgs lb. 1.35 - 1.37
Silicofluoride, dms., works lb. .12 - .13
Stearate, 28%, dms lb. .21 - .31
paste, dms lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 .20
Sulphate, bulk, producing ovens ton.45.00 -48.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works. lb. .10½- —
l.c.l., works lb. .15½- —
tanks, dlvd, or frt. alld.lb. .09 —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 —
l.c.l., works lb. .16 .19
Thioglycollate, highly purified, 100% basis, cbys lb. 2.45 —
commercial, same basis lb. 2.15 —
Thiosulphate, jars lb. .32 .36
Amphetamine hydrochloride, bots lb.45.00 -50.00
Phosphate, bots lb.45.00 -50.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .21½- .22
l.c.l., dlvd. lb. .22½- .23
tanks, dlvd. lb. .20½- —
ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .21½- —
l.c.l., same basis lb. .22½- —
tanks, same basis lb. .20½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 1.00
Chloride, mixed, tech., dms., c.l., works lb. .07 - —
l.c.l., works lb. .08 - —
tanks, works lb. .06 - —
Ether (see Ether, amyl).
Mercaptan, dms., works lb. 1.10 - —
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns lb. .77 - 1.03
Anethol, com'l, dms., works lb. .50 - —
NF, cns., dms lb. .77 - .82
Angelica root, dom., bls lb. .70 - .80
imported, bls. lb. .98 - 1.00
Angostura bark, bls lb. .48 - .50
Anilin oil, dms., c.l., works, frt. alld lb. .16 - —
l.c.l., works, frt. alld lb. .17 - —
tanks, works, frt. alld lb. .15 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .12½- .13
Cyprus, bgs lb. .20 - .20¼
Mexican, bgs lb. .16½- .17
Syrian, bgs lb. .16 - .16¼
Anisic aldehyde, bots., dms lb. 2.10 - 2.20
Annatto paste, bxs lb. .34 - .37
Seed, bgs lb. .20 - .21
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works lb. .81 - 1.00
Anthraquinone, 99.5%, bbls lb. .85 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys lb. .29 - .30
Metal, bulk, c.l., mines lb. .38½- —
Needle, cs lb. No stocks.
Oxide, ceramic grade, bgs., c.l., dlvd lb. .34 - —
l.c.l., dlvd lb. .35 - —
paint grade, bgs., c.l., works. lb. .35¾- .36
l.c.l., works lb. .36¾- .37

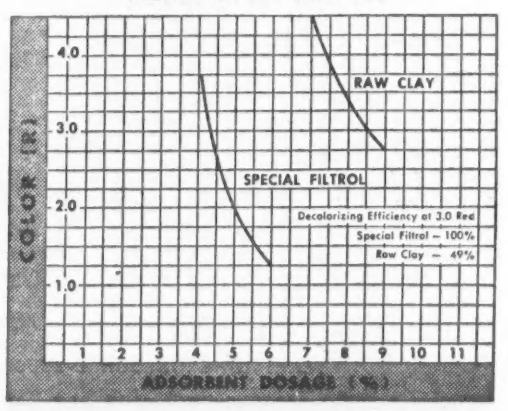

# Filtrol*Adsorbents remove more color at a lower cost from fatty oils from every source...

Not only vegetable and animal fats and oils, but also products such as tall and fatty acids can be controlled with Filtrol decolorizing adsorbents.

Those who know choose Filtrol adsorbents for purity and unexcelled decolorizing power. Filtrol economy means only one-half to one-third as much oil loss in press cake – saving scarce and expensive oils.
Filtrol adsorbents are highly stable, can be stored indefinitely under normal dry conditions.

In addition to the standard types of Filtrol, "Special" Filtrol and "Super" Filtrol, two new products are now being offered commercially – Neutrol E and Neutrol I. These new activated, decolorizing adsorbents possess a superior decolorizing power.

TYPICAL DECOLORIZING EFFICIENCY OF "SPECIAL" FILTROL ON SOY BEAN OIL




SPECIAL Filtrol

FILTROL CORPORATION
General Offices: 634 South Spring Street, Los Angeles, Calif.
Plants: Vernon, California and Jackson, Mississippi

World's Largest Manufacturer of CATALYSTS, ADSORBENTS AND DESICCANTS

*Know more about Filtrol – informative literature on "Special" Filtrol, "Super" Filtrol, and Neutrol E and Neutrol I sent upon request.*

*Reg. U. S. Pat. Off.

Filtrol products are available throughout the world

Antimony salt, 65%, bgs., c.l., dlvd. E. of Miss. ..... lb. No stocks.
Sulphide, 62-64%, bbls., c.l., works. lb. .26 - —
l.c.l., works ..... lb. .28 - —
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms. ..... lb. 2.33 - 2.43
Apomorphine, USP, bots. ..... oz. 23.20 -23.70
Archil extract, bbls. ..... lb. No stocks.
Areca nuts, powd., bbls. ..... lb. .22 - .23
Arecoline hydrobromide, NF, bots. oz. 6.10 - 6.75
Arginine hydrochloride, laevo kilo. 140.00 -150.00
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity). 18.00 -18.50
Arnica, flowers, bls. ..... lb. .45 - .90
root, bls. ..... lb. 1.45 - —
Arrowroot, powd., bgs. ..... lb. .13 - .16
Arsenic, metal, lump, bbls., prompt shipt. lb. .80 - .90
Sulphide, yellow, bbls. ..... lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l., dlvd. lb. .06 - —
l.c.l. ..... lb. .06¾- .07
Asafetida, cs. ..... lb. .35 - .36
powd., bbls., dms. ..... lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines. ton. 88.00 - —
5R, bgs., c.l. (20 tons), same basis. ton. 79.00 - —
6D, bgs., c.l. (30 tons), same basis. ton. 59.00 - —
7D, bgs., c.l. (30 tons), same basis. ton. 52.50 - —
7F, bgs., c.l. (30 tons), same basis. ton. 49.50 - —
7K, bgs., c.l. (30 tons), same basis. ton. 35.50 - —
7M, bgs., c.l. (30 tons), same basis. ton. 31.00 - —
7R, bgs., c.l. (30 tons), same basis. ton. 30.00 - —
7RF, bgs., c.l., same basis. ton. 31.00 - —
7T, bgs., c.l., same basis. ton. 28.50 - —
7TF, bgs., c.l., same basis. ton. 31.00 - —
Asphaltum, cut-back, tanks, tank wagon, refinery ..... gal. .09½- —
Emulsion, tanks, tank wagon, refinery ..... gal. .09½- .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines. ton. 36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines. ton. 31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines. ton. 36.50 - —
Manjak, No. 10, crude, dms., works. lb. .06½- —
process form, bgs., works. lb. .05¾- .11
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton. 23.00 - —
80-300 penetration, tanks, tank-wagon, refinery ..... ton. 22.00 - —
Atropine, USP, bots. ..... oz. 13.50 -15.00
Sulphate, USP, bots. ..... oz. 10.53 -12.00

## B

Bacitracin, bulk, unlabeled, topical, 2,000 units. vial. .40 - —
10,000 units ..... vial. .78 - —
50,000 units ..... vial. 2.86 - —
Balm of Gilead buds, dried, bgs. lb. 1.50 - 1.75
Barbasco root (see Cube root).
Barberry root bark, bgs. ..... lb. .75 - .77
Barbital, USP, dms. ..... lb. 4.50 - —
Sodium, USP, dms. ..... lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works. ton. 72.50 -80.00
smaller lots, works. ..... ton. 82.50 -90.00
Chlorate, kgs., works. ..... lb. .25½- .31
Chloride, NF, cryst., dms. ..... lb. .17 - .18
tech., bgs., c.l., works, frt. equald. ton. 90.00 - —
l.c.l., works. ..... ton. 100.00 - —
Chromate, bgs., frt. equald. ..... lb. .31½- .32
Dioxide, dms., c.l., works. ..... lb. .12 - —
l.c.l., works ..... lb. .12 - —
Hydrate, crystals, bgs. ..... lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. ..... lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works. ..... lb. .11¼- —
l.c.l., works ..... lb. .13 - —
Oxide, grd., dms., c.l., works. lb. .11 - —
l.c.l., works ..... lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l. ..... lb. .34 - —
smaller lots ..... lb. .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls ..... lb. .12½- .13
Sulphide, dms., c.l., works. ..... ton. 55.00 - —
l.c.l., works ..... ton. 70.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines. ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis. ton. 35.03 - —
l.c.l., same basis ..... ton. 36.85 - —
ex whse., N. Y. ..... ton. 49.65 - —
Southern off-color, bgs., mines ton. 19.00 - —
95.75%, bgs., mines ..... ton. 20.00 - —
Barberry bark, bgs. ..... lb. .12 - .13
Bay leaves (see Laurel leaves).
Belladonna leaf, bls. ..... lb. .95 - 1.25
Root, bls. ..... lb. .50 - .55
Bauxite, bulk, mines ..... ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton. 11.00 - —
Benzaldehyde, NF, dms. ..... lb. .68 - .90
tech., cbys., dms. ..... lb. .45 - .55
Benzene (see Benzol).
Hexachloride, tech., 11% gamma, bgs., dms., c.l., works. lb. .27½- —
l.c.l., works ..... lb. .29¼- —
dust, dry, 50%, 6% gamma, distributors, dms., c.l., dlvd. lb. .18 - —
l.c.l., dlvd. ..... lb. .19 - —
wet, 50%, 6% gamma, distributors, dms., c.l., dlvd lb. .19½- —
l.c.l., dlvd. ..... lb. .20½- —
Benzidin base, bbls ..... lb. 1.02 - —
Benzocaine, cns. ..... lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich. gal. .21 —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio. gal. .20 - —
Benzophenone, dms. ..... lb. 1.30 - 1.70
Benzothiazyl disulfide, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots. lb. .35 - —
less ton lots, same basis lb. .37 - —
Benzoyl chloride, c.l., cbys. ..... lb. .20 - .23
l.c.l., works ..... lb. .22½- —
Peroxide, pure, fib. ctns., works lb. .90 - 1.05

Benzyl acetate, f.f.c., dms. ..... lb. .60 - 1.00
dms. ..... lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .88 - 1.00
Chloride, tech., cbys., c.l., works, frt. equald. lb. .19 - .21½
l.c.l., same basis ..... lb. .20 - .22½
Cinnamate, cns. ..... lb. 3.45 - 4.00
Formate, cns. ..... lb. 1.95 - 3.50
Propionate, bots. ..... lb. 1.55 - 2.30
Salicylate, bots. ..... lb. 1.80 - 2.25
Benzylidinacetone, bots. ..... lb. 1.85 - 2.70
Benzylisoeugenol, bots. ..... lb. 8.90 - 9.00
Berberine bisulphate, cns. ..... lb. No stocks
Hydrochloride, bots. ..... lb. No stocks
Sulphate, cns. ..... lb. No stocks
Berberis root, bls. ..... lb. .28 - .35
Betagammapicoline, dms., c.l., works. lb. .21 - .23½
l.c.l., works ..... lb. .21½- 24
Betanaphthol, resublimed, dms., works. lb. .75 - —
tech., bbls., c.l., works ..... lb. .30 - —
l.c.l., works ..... lb. .32 - —
Benzoate, fib. dms., works ..... lb. 1.75 - —
Salicylate, dms. ..... lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .73 - .80
Betaphenylethylamine, dms., works, 1,000-lb. lots. lb. 1.45 - —
smaller lots ..... lb. 1.60 - —
Betapicolin, 90%-95%, dms., c.l., works. lb. 1.35 - —
98%, dms., c.l., works ..... lb. 1.85 - —
Beth root, bls. ..... lb. .45 - .50
Biotin, cryst. ..... gram. 12.50 - —
Bismuth chloride, jars ..... lb. 3.95 - —

Bismuth citrate, USP VIII, jars. lb. 3.27 - —
Hydroxide, dms ..... lb. 4.18 - —
Metal, bxs., ton lots ..... lb. 2.00 - —
Nitrate, cryst., dms ..... lb. 1.85 - —
Oxychloride, dms ..... lb. 3.97 - —
Oxide, anhydrous, dms ..... lb. 4.60 - —
Phenolsulphonate, fib. dms. lb 4.70 - —
Subcarbonate, USP, dms. lb. 2.80 - —
Subgallate, NF, fib. dms. lb. 2.75 - —
Subiodide, fib. dms. ..... lb. 4.90 - —
Subnitrate, NF, dms ..... lb. 2.30 - —
Subsalicylate, USP, dms. lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point ..... lb. .17 - .19
Bone, bgs., bbls., l.c.l., dryd. lb. .14½- .22½
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works. lb. .07 - —
bgs., c.l., works ..... lb. .0740- —
l.c.l., dlvd. or whse. lb. .11¼- .117
uncompressed, regular, bgs., c.l., works. lb. .0832- —
bgs., ctns., l.c.l., dlvd. or whse. lb. .13¾- —
furnace, fast extruding, bgs., c.l., works. lb. .05½- —
ctns., l.c.l., whse ..... lb. .09½- —
high modulus, bgs., c.l., works. lb. .05 - —
ctns., l.c.l., whse ..... lb. .09 - —

Black, carbon, furnace, semi-reinforcing, bgs., c.l., works lb. .03½- —
ctns., l.c.l., whse lb. .07½- —
very fine, bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse. lb. .1125- .1170
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .10¾- —
l.c.l., works ..... lb. .11 - —
Lamp, bgs., c.l., works ..... lb. .07 - .30
Mineral, bgs., works ..... lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry root, bls. ..... lb. .12 - .13
bark of root, bls. ..... lb. .32 - .33
Black dyes (see Dyes).
Black haw, root bark, bls. ..... lb. .78 - .82
Tree bark, bls ..... lb. .28 - .30
Black Indian hemp root, bls. ..... lb. .45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works ton. 77.50 - —
l.c.l., works ton. 85.00 - —
direct process, bgs., c.l., works ton. 85.00 - —
l.c.l., works ..... ton. 90.00 - —
N. Y. whse. ..... ton. 108.00 - —
bbls., c.l., works ..... ton. 90.00 - —
l.c.l., works ..... ton. 95.00 - —
N. Y. whse. ..... ton. 113.00 - —
pulp, 66⅔%, bbls., c.l., works, ton. 67.00 - —
l.c.l., same basis ..... ton. 73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.25 - —
l.c.l., works ..... 100 lbs. 4.75 - —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POTASSIUM PERMANGANATE U. S. P. PELLETS

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DIMETHYLANILIN

PARA-AMINOPHENOL

METHANOL, Pure Synthetic

CAFFEINE CITRATED, U. S. P.

MAGNESIUM OXIDE Heavy

SODIUM BICHROMATE

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ANILIN OIL

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Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.00 - —
high-grade, unground, 16-17% ammon, bulk, Chicago, unit-ton. 8.00 - —
soluble, bgs., c.l. ..... lb. .17 - .19
l.c.l., ..... lb .18 - .25
Bloodroot, bls ..... lb. .55 - .65
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis ..... lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.10 - —
Celestial, bbls., same basis ..... lb. .15 - .16
Chinese, bbls., same basis ..... lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 3.85
80%, bbls., same basis ..... lb. 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis ..... lb. .45 - —
Peacock, fugitive, 100% color strength, same basis lb. .60 - .70
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
Tungstic ..... lb. 4.00 - —
Potash, CP, bbls., same basis ..... lb. .51 - —
Prussian, bbls., same basis ..... lb. .45 - —
soluble, bbls., same basis ..... lb. .45 - —
Soda, C.P., bronze, bbls., same basis lb. .39 - —
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls ..... lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis ..... lb. 2.60 - 2.70
Blue dry colors, dlvd. prices 1c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. ..... lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls ..... lb. .09 - .10
Bone, raw, bulk, Chicago ..... ton.75.00 - —
junk, bulk, same basis ..... ton.30.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.65.00 - —
Chicago, works ton.65.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works ton.70.00 - —
Chicago, works ..... ton.70.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton.65.00 - —
Chicago, works ..... ton.65.00 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. ..... lb. .15 - .16
Borage flowers, bls ..... lb. .45 - .50
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 -78.00
ton lots, ex whse. N. Y. or Chi ton.122.75 - —
less ton lots, same basis, ton.127.75 - —
bbls., c.l., works ..... ton.98.00 - —
ton lots, ex whse. N. Y. or Chi ton.142.75 - —
less ton lots, same basis, ton.147.75 - —
bulk, c.l., works ..... ton.64.00 -71.50
crystals, 99½%, bgs., c.l., works. ton.61.25 - —
ton lots, ex wnse, N. Y. or Chi ton.106.00 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works ..... ton.81.25 - —
ton lots, ex whse, N. Y. or Chi ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works ..... ton.57.25 - —
granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse, N. Y. or Chi ton.80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ..... ton.55.25 - —
ton lots, ex whse, N. Y. or Chi ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk, c.l., works ..... ton.31.25 - —
Borax, tech., powdered, 99½%, bgs., c.l., works ..... ton.40.25 - —
ton lots, ex whse, N. Y. or Chi ton.85.00 - —
less ton lots, same basis, ton.90.00 - —
bbls., c.l., works ..... ton.60.25 - —
ton lots, ex whse, N. Y. or Chi ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l., works ..... ton.36.25 - —
Borax packed in kgs. is $4@ per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 .21
l.c.l., same basis ..... lb .16 .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .21 - —
1,000 lbs., same basis ..... lb. .23 - —
single pkgs., same basis lb. .28 - —
dms., lead-lined, c.l., dlvd. lb. .19 - —
Bromoform, USP, bots ..... lb. 1.50 1.70
cbys. ..... lb. 1.42 —
Bromsityrol, bots ..... lb. 4.85 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works lb. .50 .60
moulding, cans, dms., works lb. .80 1.00
printing ink, cans, dms., works lb. .95 1.10
radiator, cans, dms., works lb. .60 .65
Broomtop, bls. lb. .25 .26
Brown, iron, synth., bgs., l.c.l., works lb. .12½ —
Oxide, metallic, bgs., works lb. .03 .03¼
Sap, crystals, works ..... lb. .12 —
powdered ..... lb. .13 —
Sienna, burnt, paper bags., c.l., works lb. .03¾ - .14¾
l.c.l., works ..... lb. .04 - .15
raw, paper bgs., c.l., works lb. .04 - .12¾
l.c.l., works ..... lb. .04¼ - .12¾
Umber, burnt, American, c.l., bbls., works lb. .04¾ - .05¾
l.c.l., bgs., works ..... lb. .05 - .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. .05¾ - .07¾
l.c.l., works ..... lb. .06 - .08
raw, American, bgs., same basis lb. .03¾ - .05
Turkey type, bgs., same basis lb. .06 - .06¼
Vandyke, bbls., works ..... lb. .09¾ - .12
Brucine, cns., 100 ozs ..... oz. .40 - .50
Sulphate, NF, cns., 100 ozs ..... oz. .30 - .40
Bryonia root, bls. ..... lb. .30 - .35
Buchu leaves, bls. ..... lb. .85 - .90
Buckthorn bark, bls ..... lb. .20 - .22
cut and sifted, bls ..... lb. .25 - .27
Berries, bgs ..... lb. .85 - 1.00
Burdock, root, bls ..... lb. .20 - .25
Butadiene, cyls., refy ..... lb. .11 - —
tanks, same basis ..... lb. .11½ - —
Butane, indust., tanks, group 3 gal. .04½ - —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., works, frt. alld. E. of Miss. lb. .16½ - —
l.c.l., same basis ..... lb. .17½ - —
tanks, same basis ..... lb. .15 - —
tankwagons, same basis lb. .15½ - —
other production, dms., c.l., same basis lb. .16½ - —
l.c.l., same basis ..... lb. .17½ - —
tanks, same basis ..... lb. .15 - —
synthetic, normal, dms., c.l., same basis lb. .16½ - —
l.c.l., same basis ..... lb. .17½ - —
tanks, same basis ..... lb. .15 - —
secondary dms., c.l., dlvd. E. of Miss lb. .13 - —
l.c.l. same basis ..... lb. .13½ - —
tanks, same basis ..... lb. .11½ - —
Normal butyl acetate W. of Miss., ½c. per lb. higher.
Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works ..... lb. .20½ - —
l.c.l., works ..... lb. .21½ - —
tanks, works ..... lb. .19½ - —
Ether (see Ether, butyl).
Isobutyl methacrylate, P-5, 50/50, cns., works lb. .60 - —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½ - —
l.c.l., same basis ..... lb. .43½ - —
tanks, same basis ..... lb. .41 - —
Laurate, dms., works ..... lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works ..... lb. .63 - .67
P-4, cns., works ..... lb. .65 - —
Myristate, dms., works ..... lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 - —
Phenylacetate, dms ..... lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd ..... lb. No stocks
tanks, dlvd. ..... lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies lb. .36½ - —
l.c.l., same basis ..... lb. .37½ - —
Butyric ether (see Ethyl butyrate).

## C

Cacao butter (see Cocoa butter).
Cadmium bromide, jars ..... lb. 2.49 - 2.50
Iodide, jars ..... lb. 5.10 - —
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd. lb. 2.00 - —
patent shapes, cs., dlvd ..... lb. 2.15 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, USP, cryst., dms., 100 lbs or more lb. 4.75 - 5.00
anhydrous, dms., 100 lbs. or more lb. 5.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 3.00 - —
Hydrobromide, bots. ..... lb. 6.50 - —
Calabar beans, bgs., futures ..... lb. .65 - .68
Calamine, USP, dms ..... lb. .27 - .29
Calamus root, dom., bgs ..... lb. .27 - .30
imported, bleached, bls ..... lb. .70 Nom.
peeled, bls ..... lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works gram. 4.00 - —
1,000 to 10,000 s.u., works gram. 4.40 - —
less than 1,000 s.u., works gram. 4.50 - —
In edible oil, dms., 10,000 or more unit. .10 - —
1,000 to 10,000 s.u., works unit. .11 - —
less than 1,000 s.u., works unit. .12 - —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. lb. .10½ - —
l.c.l., same basis ..... lb. .11½ - —
Bromide, NF, jars ..... lb. .75 - .85
Carbide, dms., c.l., works ton.114.00 -154.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald. ton.22.00 - —
l.c.l., same basis ..... ton.37.00 -47.00
liquor, works, basis 40%, tank-cars ton. 9.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.20.00 - —
l.c.l., works, same basis ton.30.00 -39.00
USP, gran., bbls ..... lb. .30 - .35
Chromate, bgs., frt. equald ..... lb. .29½ - .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .33

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**FULTON MULTIWALL PAPER BAGS**

— any size, all types — pasted or sewn bottom, open mouth or valve. Fulton Multiwall Bags are of the uniform high quality you would expect a new modern plant to produce with the seasoned experience of top bracket personnel. We invite your inquiry.

These bags are made from burlap or cotton goods laminated with a waterproof adhesive to a special quality crinkled kraft paper. The result is a sift proof and moisture proof package that is much stronger than an unlined textile bag.

In addition to protecting your product from moisture, Fulton WPPL (Waterproof Paper Lined) Bags offer you other important advantages over rigid containers. These include lower cost, ease of handling, less storage space, lower freight costs, and elimination of the burdensome record-keeping of returnable containers.

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Minneapolis • New Orleans • Los Angeles • New York

Calcium gluconate, AA, bbls .... lb. .65 - .72
cns. .... lb. .83 - .90
USP, bbls. .... lb. .58 - .65
cns. .... lb. .76 - .83
Glycerophosphate, NF, fib. dms. .... lb. 1.63 1.80
Hydride, dms., works .... lb. .90 —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm. 24.00 -28.50
cns., cased (45 lbs.) same basis cs. 19.75 -21.50
Hypophosphite, 50-lb. lots, dms lb. .80 .83
Iodide, jars .... lb 4.12 —
Lactate, USP dms .... lb .37 .44
Mandelate, USP, dms., works lb. 1.85 2.10
Naphthenate, liq., 4% Ca, dms., frt. alld lb. .23¾ - .24¼
Pantothenate dextro jars gram .07½ -
Phenolsulphonate, dms. .... lb. .59 - .60
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 6.75 - —
l.c.l. .... 100 lbs. 7.10 7.45
feed grade, bgs., 10 tons, works. ton. 105.00 - —
one ton or over, works ton. 115.00 - —
less than one ton, works ton. 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾ - —
less, same basis lb. .06¼ - —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works .... 100 lbs. 6.95 - 7.30
Phytate, bgs., works .... lb. .22 - —
Resinate, precip., dms., frt. alld. works lb. .24 —
Silicate, hydrated, bgs., c.l., works lb. .05½ - —
l.c.l., works lb. .06 - —
Stearate, precip., cins., c.l., works. lb. .32 - —
l.c.l., works .... lb. .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton. 45.00 - —
70% bgs., c.l., works .... ton. 50.00 - —
luminous tins, works .... lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 1.50
fine particle size, dms., works lb. 1.50 1.75
Calendula flowers, bls .... lb. .50 .85
Calomel, USP, cryst., dms .... lb. 1.82 1.83
fine powd., dms .... lb 1.97 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, NF, monobromated, dms., kgs lb. 3.10 - 3.20
Camphor, natural .... lb No stocks.
synth., tech., bbls., 2.000 lbs. or more, works lb. .42 —
10 bbls. (1,500 lbs.) .... lb .42½ - —
smaller lots .... lb .45 .55
USP, gran., powd., bbls., 2,000-lb. lots lb. .58 —
1,000-lb. lots .... lb. .59 —
smaller lots .... lb. .60 —
tablets, tins, 2,000-lb. lots lb. .78 —
1,000-lb. lots .... lb. .79 —
smaller lots .... lb. .80 —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs .... lb. 1.10 - 1.30
powd., bxs .... lb. 1.25 - 1.50
Russian, bgs .... lb. 5.00 - 5.25
powd., bxs. .... lb. 5.75 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns .... lb. 6.50 6.75
Caramel coloring, NF, bbls .... gal. 1.05 - —
Caraway seed, Danish, bgs .... lb. .17 - .17½
Dutch, bgs .... lb. .17½ - .18
Carbazole, 97%, steel dms., ton lots, works lb. 1.75 - —
fib. dms., same basis .... lb. 1.70 - —
Carbinol butyl, normal (see Alcohol, amyl, refined)
secondary, dms., l.c.l., works lb. 70 - —
Methylisobutyl, dms., c.l., frt. alld. E lb. .14½ - —
l.c.l., same basis .... lb. .15 - —
tanks, same basis .... lb. .13 —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼ - —
l.c.l., same basis .... lb. .07¼ - —
5-gal. dms., same basis .... lb. .09½ - —
l.c.l., same basis .... lb. .08¾ - —
Dioxide, cyls .... lb. .06 .08
Tetrachloride, CP, dms., works lb. .09 .11½
tech., dms., E. of Rockies, c.l., frt. alld lb. .06 - —
l.c.l., same basis .... lb. .08½ - —
W. of Rockies, c.l., f.o.b. stock points lb. .08½ - —
l.c.l., frt. alld. .... lb. .09 - —
NF, cbys .... lb. .17 - .19
Carboxymethylcellulose-Sodium—See CMC.
Carbromal, NF, dms., ton lots, works lb. 4.25 - —
100-lb. lots, works .... lb. 4.75 - —
Cardamom fruit, bleached, bold, cs., lb. 3.25 3.30
medium, cs .... lb. 3.00 - 3.10
Coorges, cs., futures .... lb. 2.15 - 2.20
decorticated, Guatemalan, cs., futures lb. 2.15 - 2.20
Indian, cs., futures .... lb. 2.25 Nom.
green, Alleppey, bgs., futures lb. 2.20 - 2.25
Seed (See Cardamom fruit, decorticated).
Carmine, No. 40, NF, bulk, 100 lbs. or more lb. 5.50 - —
smaller lots .... lb 5.65 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk grain quantities .... gm. 5.00 —
technical, 1,350,000 A units per gram gm. 67½ - —
tins, works .... gm. .62 - —
dry powder, 3,330 A units per gram lb 70 —
emulsion (in milk), 500,000 A units per 16-oz. cn cn. .85 - —
in vegetable oil, 250,000 A units per gram lb. 37.24 - —
50,000 A units per gram lb. 7.87 - —
26,000 A units per gram, tins, works milli. units. .32 - —
dms., works milli. units. .30 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .50 —
Carvol, bots .... lb. 10.00 -16.00
Cascara sagrada bark, bulk .... lb. .32 - .35
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½ - —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more ship't point lb. .21 - .22
rennet-precip., 10,000 lbs. or more, same basis lb. .34 Nom.
imported, acid-precip., ground, bgs. or more lb. .20½ - .20¾
rennet-precip., unground, 100 or more lb. .30 Nom.
Cashew nut liq., treated, dms., c.l., f.o.b Newark, N. J. lb. .21 - —
ton lots, same basis .... lb. .22¼ - —
dm. lots, same basis .... lb. .24¼ - —
Cassia bark, Batavia, longstick bls., lb. .29 - .30
broken, bls. .... lb. .27 - .27½
short stick, bls .... lb. .25 - .26
China, Canton, rolls, select, cs lb. .09 - .09½
broken, bls .... lb. .07½ - .08
Honan, rolls, scraped, bls .... lb. .15½ - .16
unscraped, bls .... lb. .14 - .14½
broken, bls .... lb. .14½ - .15
Saigon, broken, bls. .... lb. .24 - .25
medium, bls. .... lb. .33 - .34
thin, bls. .... lb. .38 - .39
Yunnan, rolls, scraped, bls lb. .15½ - .16
broken, bls .... lb. .14½ - .15
unscraped, bls .... lb. .14½ - .15
broken, bls .... lb. .14 - .14½
Buds, China, bgs .... lb. .26 - .26½
Cassia fistula, bskts .... lb. .30 - .35
Castor beans, bgs., Brazilian ports .... long ton. 103.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works .... ton. 24.00 Nom.
Castoreum, nat., ccs .... lb. 12.00 45.00
synthetic, cns .... lb. 22.00 - —
Catechol, CP, cryst., fib. dms., works. lb. 2.00 - —
resublimed, dms., works .... lb. 4.00 - —
Catnip, bls. .... lb. .55 - .60
Celery seed, French, bgs .... lb. .25 - .25½
Indian, bgs .... lb. .23½ - .24
futures, bgs. .... lb. .24½ - .25
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, cins., works, frt. alld. on 100 lbs. or more lb. .36 .40
granules, cins., same basis lb. .42 —
molding composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis .... lb. .45 - .51
regular black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis .... lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis .... lb. .44 - .49
Butyrate, flake, 17% butyryl content, cins., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb .53 - —
Cellulose butyrate, flake, 17.5% butyryl content, cins., 500 lbs. and over, works lb. .49 - —
less than 500 lbs., works, lb. .50 - —
26.5% butyryl content, cins., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
37% butyryl content, cins., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
43% butyryl content, cins., 500 lbs and over, works lb. .57 - —
less than 500 lbs., works lb. .58 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., l.c.l., same basis lb. .61 - .66
Triacetate, flake, cins., works, frt alld. on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100 lb. lots, works lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02¾ - .05½
l.c.l., ex whse .... lb. .04 - —
paint, bgs., c.l., works .... ton. 40.00 - —
papermakers, bgs., c.l., works. ton. 32.50 -40.00
rubber makers, bgs., c.l., works ton. 30.00 —
Chamomile flowers, Hungarian, cs. lb. .45 - .50
Roman, bls. .... lb. 1.10 1.50
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works .... lb. .26½ - .32½
smaller lots, works .... lb. .27 - .50
Bone, NF, bbls .... lb. .23 - —
Hardwood, briquets, bulk, c.l., works ton. 49.30 - —
bgs., c.l., works .... ton. 51.30 - —
granular, bgs., incl., c.l., works. ton. 46.80 -59.00
granular, bgs., incl., c.l., works. lump, bulk, c.l., works .... ton. 38.80 -43.50
bgs., extra, returnable, c.l., works ton. 41.80 -45.50
Pinewood, gran., powd., bgs., c.l., works, South ton. 40.00 —
l.c.l., works. ton. 50.00 -60.00
lump, bgs., c.l., works, South. ton. 35.00 —
Willow, powd., bbls lb. .06 .07
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0463 - —
l.c.l. works .... lb. .0495 - —
tanks, works .... lb. .0375 - .0390
powd., 65% tannin, bgs., extra, c.l., works lb. .1105 —
l.c.l., works .... lb. .1170 .1180
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton. 12.50 -13.00
l.c.l., works .... ton. 13.50 -14.00
bulk, c.l., works .... ton. 9.50 -10.00
200 mesh, bgs., c.l., works ton. 10.00 -12.00
l.c.l. works .... ton. 11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works. ton. 13.00 - —
paper bgs., c.l., works. ton. 15.00 - —
imported, white, lump, quik, c.l. ex dock Balto., Boston, Norfolk, Phila net ton. 16.00 -35.00
powd., bgs., c.l., ex dock ton. 45.00 - —
l.c.l. ex whse ton. 50.00 -55.00


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4. *para*-Anisidine
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7. Dichloroaniline
8. *ortho*-Chloroaniline
9. *para*-Chloroaniline
10. *ortho*-Chlorophenol
11. *para*-Chlorophenol
12. Cyclohexylamine
13. Dicyclohexylamine
14. Dinitroaniline
15. Dinitrochlorobenzene, 44°
16. Dinitrochlorobenzene, 48°
17. *ortho*-Nitroaniline
18. *ortho*-Nitrochlorobenzene
19. Phenolsulfonic Acid
20. Sodium Benzoate, Technical
21. *para*-Toluenesulfonamide
22. *para*-Toluenesulfonchloride
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## Chloral—DDT

| | | | |
|---|---|---|---|
| Chloral, tech., dms., c.l., works | lb. | .41 | — |
| l.c.l., works | lb. | .42 | — |
| tanks, works | lb. | .40 | — |
| Hydrate, USP, jars | lb. | 1.05 | 1.15 |
| Chloramine T, NF, bbls., works | lb. | .75 | — |
| Chlordane, agricultural, dms., l.c.l. stock points | lb. | 1.05 | 2.00 |
| refined, dms., stock points | lb. | 1.20 | 2.15 |
| Chlorinated paraffin, dms., works | lb. | .12¼ | .13½ |
| Rubber, standard, ctns., c.l., works | lb. | .42 | — |
| l.c.l., works | lb | .43 | — |
| Chlorine, liquid, cyls., c.l., works | lb | .07 | .12 |
| l.c.l., stock points | lb | .09 | .19 |
| tanks, single units, works, frt. equald 100 lbs | | 2.40 | — |
| multiple units, 3 cars, works, frt. equald 100 lbs. | | 2.70 | — |
| 2 cars, same basis 100 lbs | | 3.30 | — |
| 1 car, same basis 100 lbs | | 3.90 | — |
| Chloroform, tech., dms | lb | .20 | .23 |
| USP, dms | lb | .30 | .33 |
| Chloro(4)-2-Toluidine, obls. | lb | 1.38 | — |
| Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots | lb. | 4.00 | 4.50 |
| Chloropicrin, com'l, bots | lb. | 1.40 | — |
| cyls., 130-lbs., frt. alld | lb. | .91 | — |
| 100-lbs., same basis | lb. | .93 | — |
| 25-lbs., same basis | lb. | 1.18 | — |
| Cholesterol, USP, fib. dms., 100-lb lots | lb | 8.50 | — |
| 5-lb. pkg. | lb | 9.00 | — |
| 1-lb. pkg. | lb | 9.50 | — |
| Choline chloride, fib. dms., works | lb | 3.00 | 3.10 |
| feed grade, fib. dms., works | lb | 2.20 | — |
| Dihydrogen citrate, fib. dms., works. | lb | 3.00 | 3.10 |
| Chromium acetate, powd., 72% Cr. bbls., works | lb | No stocks | |
| solut., 7%, bbls., cs | lb. | .0935- | — |
| 8½%, bbls., cs. | lb. | No stocks | |
| Chromium fluoride, bbls., works | lb. | .24 | .27 |
| Green (see Green, chrome). | | | |
| Oxide (see Green, chromium oxide). | | | |
| Oleate, bbls. | lb. | .54 | — |
| Trioxide (see Acid, chromic). | | | |
| Yellow (see Yellow, chrome). | | | |
| Chrysarobin, USP, bots. | lb. | 7.65 | 9.24 |
| Cinchona bark, N.F., red, quill, 20-inch, cs | lb. | 1.28 | Nom. |
| broken, bgs | lb. | .45 | .50 |
| yellow, broken, bgs. | lb. | .35 | 40 |
| Cinchonidine, small cryst., cns., 100 ozs | oz. | .95 | — |
| Sulphate, cns., 100 oz. | oz. | .55 | — |
| Cinchonine, large cryst., cns., 100 ozs | oz. | .69 | — |
| small cryst., cns., 100 ozs | oz. | .65 | — |
| Sulphate, N.F., cns., 100 ozs | oz. | .42 | — |
| Cinchophen, NF, heavy, dms., works | lb. | 4.70 | 5.05 |
| Standard, dms., works | lb. | 4.50 | 4.85 |
| Cinchophen-sodium, standard, dms., works | lb. | 5.50 | 5.85 |
| Cinnamic alcohol (see Alcohol, cinnamic). | | | |
| Aldehyde, cbys., cns., dms. | lb. | .83 | .88 |
| Cinnamon, Ceylon, No. 2, bls. | lb. | .20½ | .21 |
| Citral, bots., cns. | lb. | 3.75 | 5.00 |
| Citronellal, bots., dms. | lb. | 2.50 | 7.75 |
| Citronellol, bots., dms. | lb. | 3.20 | 4.75 |
| Civet, bots. | oz. | 5.50 | 15.00 |
| Clove, Madagascar, bls. | lb. | .17½ | .18 |
| futures, bls. | lb. | .19 | .19½ |
| Zanzibar, bls. | lb. | .20½ | .21 |
| futures | lb. | .21½ | Nom. |
| Clover tops, red, dom., bgs. | lb. | .60 | .70 |
| imported, bgs. | lb. | No stocks | |
| CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld. | lb. | .63 | — |
| smaller lots, same basis | lb. | .65 | .75 |
| low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld. | lb. | .60 | — |
| smaller lots, same basis | lb. | .62 | .72 |
| tech., low vis., dms., c.l., works | lb. | .30 | — |
| l.c.l., dms., works | lb. | .32 | — |
| Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, | gal. | .24½ | — |
| l.c.l., ex-whse | gal | .26 | — |
| tanks, ex-whse. | gal. | .14½ | — |
| refd., resale, bbls., c.l., ex-whse, | gal. | .25½ | — |
| l.c.l., ex-whse. | gal. | .27 | — |
| tanks, ex-whse | gal | .15½ | — |
| Cobalt acetate, bbls., dlvd | lb. | .93½ | — |
| Carbonate, powd., bgs., works | lb. | 1.65 | — |
| feed grade, 49½% Co, kgs. | lb. | 1.65 | — |
| Chloride, kgs., works | lb. | .91¼ | — |
| feed grade, 24.5% Co, kgs | lb. | .91¼ | — |
| Hydrate, bbls | lb. | 2.13 | — |
| feed grade, 62% Co, kgs | lb. | 2.13 | — |
| Linoleate, paste, 6% Co, dms | lb. | .57 | — |
| solid, 8½% Co, dms | lb. | .62½ | — |
| 8% Co, dms. | lb. | .62½ | — |
| Naphthenate, liq., 6% Co, dms. | lb. | .38¼ | .38¾ |
| Nitrate, feed grade, 20.4% Co, bbls. | lb. | .78¾ | — |
| Oxide, black, kgs | lb. | 1.38 | — |
| Phosphate, feed grade, 34% Co, kgs | lb. | 1.31¼ | — |
| Resinate, fused, 3% Co, dms | lb. | .22¾ | — |
| Sulphate, bgs. | lb. | .68¼ | — |
| feed grade, 21% Co, kgs | lb. | 1.05 | — |
| Cobalt salts, prices are on dlvd., basis. | | | |
| Cobalt-ammonium sulphate, 14% Co, kgs | lb. | .75 | — |
| Cocaine, USP, ens., 100-oz. | oz. | 15.00 | — |
| Hydrochloride, ens., 100-oz. lots | oz. | 11.75 | — |
| Cochineal, gray, bgs. | lb. | .67 | .68 |
| silver, Teneriffe, bgs. | lb. | .69 | .70 |
| Cocillana bark, bgs. | lb. | .18 | .20 |
| Cocoa butter, bgs. | lb. | .46 | .47 |
| Codeine, NF, ens., 100 ozs. | oz. | 13.25 | — |
| Hydrochloride, ens., 100 ozs. | oz. | 11.65 | — |
| Phosphate, USP, ens., 100 ozs. | oz. | 10.25 | — |
| Sulphate, USP, ens., 100 ozs. | oz. | 10.75 | — |
| Codliver oil (see Oil, codliver). | | | |
| Cohosh, black, root, bls. | lb. | .24 | .26 |
| Blue, root, bls. | lb. | .17 | .19 |
| Colchicine, USP, bots., ens. | oz. | 145.00 | 160.00 |
| Colchicum seed, bgs. | lb. | 2.75 | 3.00 |
| Collodion, USP, dms. | lb. | .24 | .29 |
| Flexible, USP, dms. | lb. | .25½ | .30¼ |
| Colocynth, pulp, bls. | lb. | .35 | .40 |
| Colombo root, bls. | lb. | .18 | .19 |
| Coltsfoot leaves, bgs. | lb. | .35 | .40 |
| Condurango bark, bgs. | lb. | .20 | .21 |
| Copaiba balsam, ens., dms. | lb. | .65 | .69 |
| Copper acetate, cupric, bbls., works | lb. | .28 | — |
| smaller containers, works | lb. | .29 | .30 |
| Carbonate, 55%, bbls. | lb. | .218 | .2525 |
| Chloride, anhyd., bbls. | lb. | .29 | — |
| crystals, bbls | lb. | .20 | .20¾ |
| Citrate, USP, 5-lb bots. | lb. | 2.40 | — |
| Cyanide, tech., bbls. | lb. | .43 | — |
| Hydrate, dms., dlvd. E. Miss | lb. | .27½ | .28 |
| Metal, electrolytic | lb. | .21½ | .23½ |
| Naphthenate, liquid, 8% Cu, dms., frt. alld | lb. | .22¾ | .23¼ |
| Nitrate, tech., cryst., bbls., works. | lb. | .25 | .28 |
| Oleate, liquid, 8.5% Cu, bbls. | lb. | .53 | — |
| solid, 10% Cu, bbls. | lb. | .45¾ | — |
| 12.5% Cu, bbls. | lb. | .44½ | — |
| Oxide, black, bbls., works | lb. | .30½ | .32½ |
| red, com'l, bbls., works | lb. | .30 | .32¼ |
| Oxychloride-sulphate, bgs., frt. alld | lb. | .24¼ | .27¼ |
| Resinate, precip., dms., frt. alld | lb. | .25 | — |
| Stearate, bgs., works | lb. | .39½ | — |
| Sulphate, cryst., 99%, bgs., c.l., works | 100 lbs. | 8.10 | — |
| l.c.l. | 100 lbs. | 9.10 | — |
| CP, cryst., gran., dms., works. | lb. | .12¾ | — |
| monohydrated, 35%, dms., c.l., dlvd | 100 lbs. | 13.50 | — |
| tribasic, dealers, bgs., c.l., works | lb. | .22¾ | — |
| l.c.l., works | lb. | .23¾ | .24¼ |
| USP, gran., cryst., dms | lb. | .10 | .26 |
| Copperas, cryst., gran., bgs., c.l., works | ton. | 17.00 | — |
| l.c.l., works | 100 lbs. | 1.55 | 2.00 |
| bbls., c.l., works | ton. | 20.00 | — |
| bulk, c.l., works | ton. | 14.00 | — |
| Copra, c.i.f., Pacific ports | lb. | 175.00 | — |
| Atlantic or Gulf ports | ton. | 180.00 | — |
| Coriander seed, Argentine, bgs., tuitures | lb. | .05½ | .06 |
| Italian, bgs | lb. | .03½ | Nom. |
| Moroccan, bgs | lb. | .05½ | .06 |
| Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. | 100 lbs. | 5.48 | — |
| bbls., c.l., same basis | 100 lbs. | 5.53 | — |
| Syrup, 42°, bbls., c.l. | 100 lbs. | 5.35 | — |
| l.c.l. | 100 lbs. | 5.95 | — |
| Cornsilk, bls. | lb. | .15 | .18 |
| Corrosive sublimate, NF, cryst., dms., 50 lbs. or more | lb. | 1.68 | — |
| gran., powd., dms., 50 lbs. or more | lb. | 1.53 | — |
| Cottonroot bark, bls. | lb. | .33 | .35 |
| Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. | | 1.75 | — |
| Meal, 41% protein, sacked, c.l., mills, S. E | ton. | 56.90 | 57.00 |
| Coumarin, ens., 25 lbs. | lb. | 3.00 | 3.10 |
| smaller lots | lb. | 3.05 | 3.15 |
| Cramp bark, NF, bls. | lb. | .30 | Nom. |
| Cranesbill root, bls. | lb. | .28 | .30 |
| Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship | lb. | .29½ | — |
| smaller lots | lb. | .30 | .31 |
| imported, kgs. | lb. | .24 | .26 |
| Creosote, beechwood, bots., cbys | lb. | 1.15 | 1.20 |
| Coaltar, crude, tanks, works | gal. | .16 | .19¼ |
| refined, dms., c.l., works | gal. | .38½ | — |
| l.c.l., same basis | gal. | .39 | — |
| tanks, same basis | gal. | .25 | — |
| solution, 50%, tanks, works. | gal. | .20 | — |
| Hardwood, NF, bots., cbys | lb. | .85 | — |
| Pinewood, dms | gal. | .31 | .35 |
| Creosote carbonate, NF, bots., cbys. | lb. | 2.35 | 2.40 |
| Cresol, tech., dms., c.l., works, frt. equald | lb. | .16½ | .17 1/20 |
| l.c.l., same basis | lb. | .17 | .17 7/20 |
| tanks, same basis | lb. | .15¾ | — |
| USP, dms., c.l., same basis | lb. | .16¾ | .17 3/10 |
| l.c.l., same basis | lb. | .17¼ | .17⅞ |
| tanks, same basis | lb. | .16 | — |
| Crotonaldehyde, 91-93%, dms., c.l., works | lb. | .16½ | .20 |
| l.c.l., works | lb. | .17 | .20 |
| Cryolite, nat., dealers, bgs., c.l., works | 100 lbs. | 10.00 | — |
| bbls., l.c.l., works | 100 lbs. | 10.75 | 11.00 |
| Cube root, powd., 9% rotenone, bgs., ton lots, works | lb. | .30 | — |
| extract liquid 1% rotenone, dms., works | gal. | 1.50 | — |
| Cubeb berries, XX NF bgs. | lb. | .40 | .45 |
| powd., cs. | lb. | .50 | .55 |
| Culvers root, bbls. | lb. | .55 | .65 |
| Cumene, dms., c.l. | lb. | .03 | — |
| l.c.l. | lb. | .09 | — |
| tanks | gal. | .53 | .56 |
| Cumin, seed, Moroccan, bgs. | lb. | No stocks. | |
| Persian, futures, bgs. | lb. | .21 | .21½ |
| Cutch, extract, 55% tannin, bgs., ex dock | lb. | .06½ | — |
| Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk | unit-ton. | 2.85 | — |
| pulv., 21% N., bgs., same basis | unit-ton. | 2.75 | — |
| Cyclohexane, tech., dms., c.l., works. | lb. | .09½ | 12½ |
| l.c.l., works | lb. | .10 | .13 |
| tanks, works | lb. | .08 | .11½ |
| Cyclohexanol, tech., dms., c.l., works. | lb. | 21½ | — |
| l.c.l., works | lb. | .22 | — |
| tanks, works | lb. | .20 | — |
| Cyclohexanone, tech., dms., c.l., works | lb. | 26½ | .30 |
| l.c.l., works | lb | 27 | .31 |
| tanks, works | lb | 25 | .29 |
| Cyclohexylamine, dms., works | lb | .34 | — |
| Cyclopropane, USP, 2 lb. cyls, works. | cyl. | 40.00 | — |
| 6 oz. cyls., works | cyl. | 10.50 | — |
| Hospitals, cyls., 40 gal. lots | gal. | .32 | — |
| 100-gal. lots | gal. | .31 | — |
| 200-gal. lots | gal. | .30 | — |

## D

| | | | |
|---|---|---|---|
| 2, 4-D, fib., dms., c.l., works, frt., equald | lb. | .75 | — |
| l.c.l., same basis | lb. | .83 | .90 |
| Damiana leaves, bls. | lb. | .45 | .50 |
| Dandelion root, bls. | lb. | .40 | .45 |
| DDD, tech., fine grd., fib. dms., c.l., works | lb. | .51 | — |
| l.c.l., works | lb. | .51½ | — |
| lump, fib. dms., c.l., works | lb. | .49 | — |
| l.c.l., works | lb. | .49½ | — |
| DDT, fiber dms., c.l., works | lb. | .32 | — |
| smaller lots, works | lb. | .33 | .34 |


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# Establish A DEPENDABLE SOURCE OF SUPPLY

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GRADE:
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PACKING:
WOODEN BARRELS 325 lbs. Net Weight
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GRADES:
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Weight—per drum—400 lbs.—per bag—100 lbs.
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RN

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*Chemicals and Allied Products*

342 MADISON AVENUE NEW YORK 17. N. Y.

TELEPHONE: MURRAY HILL 7-7267 CABLE ADDRESS: RICNELCHEM, N. Y.

## Decanol—Dyes, Coaltar, Certified Colors

Decanol, normal, tech., dms., dlvd lb. .35 - —
Deertongue leaves, bls lb. .35 - .45
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton.44.15 -55.75
Rock, paper bgs., works ton.34.25 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa., bbls lb. .18 - .19
over 2% ffa., bbls lb. .17 - .18
Derris root, 5% rotenone, powd lb. .40 - —
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 6.97 - —
Chicago 100 lbs. 6.35 - —
l.c.l. 100 lbs. 7.12 - —
Canary, paper bgs., c.l. 100 lbs. 6.71 - —
Chicago 100 lbs. 6.09 - —
l.c.l. 100 lbs. 6.86 - —
dark, paper bgs., c.l. 100 lbs. 6.91 - —
Chicago 100 lbs. 6.19 - —
l.c.l. 100 lbs. 6.96 - —
white paper bgs., c.l. 100 lbs. 6.56 - —
Chicago 100 lbs. 5.94 - —
l.c.l. 100 lbs. 6.71 - —
Corn dextrin in cotton bgs., 17c. higher.
Potato, bgs lb. .10½- .10¾
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.05 - 5.55
laboratory grade, bots 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks lb. No prices.
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 -52.00
California ton.38.00 -40.00
l.c.l., ex whse ton.80.00 - —
Diatomaceous earth, dom., purified, bgs., c.l., Atl. coast ton.62.00 - —
California ton.50.00 - —
l.c.l., ex whse ton.90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms, c.l., works. lb. .69 - —
l.c.l., works lb. .69½- —
tanks, works lb. .67½- —
Dibutoxyethyl sebacate, dms., c.l., works lb. .57 - —
l.c.l., works lb. .57½- —
tanks, works lb. .55½- —
Dibutyl phthalate, dms., c.l., dlvd lb. .32 - —
l.c.l., dlvd. lb. .33 - —
tanks, dlvd. lb. .30½- —
Sebacate, dms., c.l., works lb. .55½- —
l.c.l., works lb. .56 - —
tanks, works lb. .54 - —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld. lb. .51½- .52⅛
l.c.l., frt. alld lb. .52½- .53⅛
tanks, frt. alld lb. .49 - .50
Dicapryl sebacate, dms., c.l., works. lb. .57½- —
l.c.l., works lb. .58 - —
tanks, works lb. .56 - —
Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., frt. equald lb. .28 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib dms., c.l., works lb. .42½- —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., E lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l. lb. .36½- —
l.c.l., same basis lb. .37½- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .50½- —
l.c.l., dlvd lb. .51½- —
tanks, dlvd lb. .50 - —
Oxalate, dms., c.l., frt. alld lb. .34½- .35½
l.c.l. lb. .35½- .36½
tanks lb. .34 - —
Phthalate, dms., c.l., dlvd lb. .26 - .27½
l.c.l., dlvd lb. .27 - .28
tanks, dlvd lb. .24½- .26
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss lb. .75 - —
Diethylanilin, dms lb. .48 - .57
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
Diethylether, dms., l.c.l., works. lb. .40 - —
Monobutylether, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Monobutylether acetate, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Diethyleneglycol monoethylether acetate, dms., cl., works lb. .24 - —
l.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l. lb. .22½- —
tanks lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Diethylstilbestrol, USP, bots kilo.255.00 -330.00
Digitalin, cryst., bots gram.15.00 -18.00
powd., bots oz.25.00 -30.00
Digitalis leaves, dms. lb. .85 - 1.25
Diglycol laurate, dms lb. .33 - —
Oleate, light, bbls., c.l. lb. .33 - —
Stearate, bbls., c.l. lb. .40 - —
Dihexyl sebacate, dms., c.l., works. lb. .45 - —
l.c.l., works lb. .45½- —
tanks, works lb. .43½- —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .80 - —
wholesalers, vials gram. .64 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works. lb. .14 - —
l.c.l., works lb. .14½- —
tanks lb. .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½- —
tanks, works lb. .05½- —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .43 - —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .41½- —
Dillseed, natural, bgs lb. .09½- .10
dewhiskered, bgs lb. .10 - .10½
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½- —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .72½- —
l.c.l., works lb. .73 - —
tanks, works lb. .71 - —
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16½ —
Dimethylamine, 25%-40%, dms., cl., works, basis 100% lb. .37 - —
l.c.l., works, basis 100% lb. .38 - —
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .21 - .25¾
l.c.l. lb. .25 - .26¾
Dinitroanilin, dms., frt. equald lb. .50 - —
Dinitrobenzene, bbls lb. .16 - .23
Dinitrochlorobenzene, dms lb. .14 - .18
Dinitrophenol, bbls lb. .28 - .32
Dinitrotoluene, oily, dms lb. .07 - .09
refd., dms lb. .17 - .21
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .44½- —
l.c.l., frt. alld lb. .45½- —
tanks, frt. alld lb. .43 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .37 - —
Dipentene, dest.-dist., dms, incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC. gal. .59 - —
l.c.l., same basis gal. .53 - .62
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .48
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 5.00 - 5.10
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton.64.00 -66.00
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls lb. .35 - .40
Dogwood, Jamaica, bark, bls lb. .12 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.10 - 1.25
reeds, cs lb. 2.00 - 2.25
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.17.00 -17.60
Green, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.22.20 -22.85
No. 3, cns. lb.35.25 -35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.55 - 4.75
Red, FD&C, No. 1, cns. lb. 7.35 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb.22.20 -22.85
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb. 5.30 - 5.40
Yellow, FD&C, No. 1, cns. lb.10.50 -11.05
No. 3, cns. lb. 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns. lb.10.95 - —
Blue, D&C, No. 4, cns. lb.13.55 - —
Brown, D&C, No. 1, cns. lb.16.10 - —
Green, D&C, No. 5, cns. lb.16.10 - —
No. 6, cns. lb.16.10 - —
No. 7, cns. lb.14.80 - —
Orange, D&C, No. 3, cns. lb.10.95 - —
No. 4, cns. lb.20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb.20.70 - —
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb. 3.75 - —
No. 10, cns. lb. 3.00 - —
No. 11, cns. lb. 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb.10.95 - —
No. 18, cns. lb.24.00 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb.10.95 - —
No. 28, cns. lb.24.65 - —
No. 33, cns. lb.17.45 - —
Violet, D&C, No. 1, cns. lb.16.10 - —
No. 2, cns. lb.16.10 - —


Carbon Blacks
Titanium Dioxide
Aluminum Stearates
Barytes
Naphthenate Driers
Asphalts
Color Pigments
Lacquer Grade Zinc Stearates
Lithopone
Titanolith
Witcarbs

WITCO

QUALITY-MADE BY WITCO
to help make better paints
-NAPHTHENATE DRIERS

Witco Naphthenate Driers are quality controlled to provide the paint industry with materials especially noteworthy for their ability to give balanced drying action on both the surface and interiors of a paint film. Other basic Witco materials for industry are listed on this page. Deliveries of all Witco products can be made promptly from strategically located plants and warehouses. Complete information—and samples—of all Witco products are yours for the asking.

YOU KNOW THAT WITCO MAKES HIGHEST QUALITY PRODUCTS

WITCO CHEMICAL COMPANY MANUFACTURERS AND EXPORTERS
295 MADISON AVENUE, NEW YORK 17, N. Y.
LOS ANGELES • BOSTON • CHICAGO • DETROIT • CLEVELAND • SAN FRANCISCO • AKRON • LONDON and MANCHESTER, ENGLAND

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—

| | | | |
|---|---|---|---|
| Yellow, D&C, No. 7, cns. | lb. | 10.93 | — |
| No. 8, cns. | lb. | 10.95 | — |
| No. 10, cns. | lb. | 13.50 | — |
| No. 11, cns. | lb. | 13.50 | — |
| No. 22, cns. | lb. | 9.15 | — |
| No. 33, cns. | lb. | 14.65 | — |
| No. 37, cns. | lb. | 13.55 | — |

Dyes, coaltar, certified colors for external use in drugs and cosmetics, 1-lb. lots:—

| | | | |
|---|---|---|---|
| Green, Ext. D&C, No. 1, cns. | lb. | 16.10 | — |
| Red, Ext. D&C, No. 1, cns. | lb. | 13.50 | — |
| Yellow, Ext. D&C, No. 1, cns. | lb. | 10.95 | — |

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

| | | | | |
|---|---|---|---|---|
| 20 | Chrysodine G. | lb. | .59 | — |
| 27 | Orange G. | lb. | .71 | — |
| 31 | Amido naphthol red G. | lb. | .59 | — |
| 36 | Alizarine yellow 2G. | lb. | .82 | — |
| 40 | Alizarine yellow R | lb. | .97 | — |
| 57 | Amido naphthol red 6B | lb. | .97 | — |
| 79 | Ponceau R | lb. | .68 | — |
| 151 | Orange II | lb. | .44 | — |
| 165 | Red lake C | lb. | 1.05 | — |
| 176 | Red lake A | lb. | .80 | — |
| 179 | Azo rubine | lb. | .95 | — |
| 180 | Diamond blue 3B | lb. | .84 | — |
| 185 | Cochineal red A | lb. | .85 | — |
| 202 | Chrome blue black R | lb. | .62 | — |
| 203 | Chrome black T | lb. | .72 | — |
| 208 | Sulphon acid blue R | lb. | .63 | — |
| 216 | Acid alizarin red B | lb. | .77 | — |
| 234 | Resorcin brown | lb. | .82 | — |
| 246 | Naphthol blue black | lb. | .78 | — |
| 256 | Benzo fast red SBL | lb | 2.96 | — |
| 259 | Sulphon cyanine 5R extra | lb. | 1.00 | — |
| 289 | Diamond black F | lb. | 1.38 | — |
| 304 | Nerol 2B | lb. | 1.83 | — |
| 326 | Benzo fast orange S | lb. | 1.57 | — |
| 372 | Bismarck brown R | lb. | .79 | — |
| 385 | Chrysophenine | lb. | 2.14 | — |
| 392 | Diamine scarlet B | lb. | 1.56 | — |
| 401 | Diamine black BH | lb. | .56 | — |
| 406 | Benzo blue 2B conc | lb. | .98 | — |
| 419 | Diamine fast red F | lb. | 1.05 | — |
| 429 | Diamine brown M | lb. | .82 | — |
| 443 | Benzo purpurine 4B | lb. | 1.08 | — |
| 513 | Diamine sky blue FF | lb. | 1.48 | — |
| 561 | Trisulphon brown B | lb. | 1.76 | — |
| 581 | Direct deep black EW extra. | lb. | .81 | — |
| 593 | Diamine green B | lb. | .60 | — |
| 598 | Congo brown G | lb. | 1.20 | — |
| 620 | Sun yellow | lb. | .84 | — |
| 639 | Xylene light yellow | lb. | 1.77 | — |
| 640 | Tartrazine | lb. | 1.34 | — |
| 655 | Auramine | lb. | 1.69 | — |
| 657 | Malachite green | lb. | 1.93 | — |
| 662 | Brilliant green | lb. | 2.55 | — |
| 667 | Brilliant milling green B | lb. | 3.27 | — |
| 671 | Glaucine | lb. | 1.54 | — |
| 680 | Methyl violet B | lb. | .95 | — |
| 681 | Crystal violet | lb. | 1.91 | — |
| 698 | Formyl violet S4B | lb. | 1.51 | — |
| 720 | Chrome azurol B | lb. | 3.60 | — |
| 729 | Victoria blue B | lb. | 2.68 | — |
| 737 | Wool green S | lb. | 2.14 | — |
| 749 | Rhodamine B | lb. | 3.85 | — |
| 814 | Chloramine yellow | lb. | 2.76 | — |
| 841 | Safranine | lb. | 2.56 | — |
| 865 | Nigrosine WSJ 78 | lb. | .56 | — |
| 922 | Methylene blue GXX | lb. | 1.28 | — |
| 969 | Hydron blue R | lb. | .72 | — |
| 978 | Sulphur black T extra | lb. | .26½ | — |
| 1027 | Alizarin VI | lb. | .64 | — |
| 1034 | Alizarin red S | lb. | 2.30 | — |
| 1054 | Alizarin saphiro B | lb. | 2.59 | — |
| 1078 | Alizarin cyanine green | lb. | 2.61 | — |
| 1085 | Alizarin blue black B | lb. | 2.13 | — |
| 1086 | Indanthrene golden orange G, single paste | lb. | 1.96 | — |
| | double paste | lb. | 3.92 | — |
| 1099 | Indanthrene dark blue BO, single paste | lb. | 1.72 | — |
| 1101 | Caledon jade green | lb. | 2.32 | — |
| 1106 | Indanthrene blue RS, single double paste | lb. | 2.52 | — |
| | double paste | lb. | 2.13 | — |
| 1113 | Indanthrene blue GCD, double paste | lb. | 1.72 | — |
| 1150 | Indanthrene olive R, single paste | lb. | 1.08 | — |
| 1151 | Indanthrene brown R, single paste | lb. | 1.63 | — |
| | double paste | lb. | 3.29 | — |
| 1212 | Indanthrene red violet RH, single paste | lb. | 1.54 | — |
| 1217 | Helindon orange R, single paste | lb. | 1.57 | — |
| p-4 | Acid anthracine brown PG | lb. | 2.48 | — |
| p-14 | Anthracene chromate brown EB | lb. | 1.25 | — |
| p-24 | Benzo fast black L | lb. | 1.94 | — |
| p-80 | Diazo brilliant scarlet ROA | lb. | 2.55 | — |
| p-202 | Zambesi black V | lb. | 1.07 | — |
| p-244 | Celliton scarlet B | lb. | 1.56 | — |
| p-313 | Naphthol AS-SW | lb. | 2.74 | — |

Dyes, coaltar, for stains, oil-soluble, 100-lb dms., sellers' works at warehouse.

| | | | |
|---|---|---|---|
| Black, blue, No. 550 | lb. | .72 | — |
| Jet, No. 551 | lb. | .79 | — |
| Brown, R, conc | lb. | 1.44 | — |
| Orange R, brilliant | lb. | .80 | — |
| Red 4 B, conc | lb. | 1.32 | — |
| Yellow, C | lb. | 1.05 | — |
| FN, conc | lb. | 1.08 | — |

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.

| | | | |
|---|---|---|---|
| Auramine, O | lb. | 1.66 | — |
| Black, basic, blue | lb. | 1.08 | — |
| Jet | lb. | 1.08 | — |
| Blue, methylene, 2 B, conc | lb. | 1.44 | — |
| Brown, Bismarck, R, conc | lb. | .78 | — |
| Chrysodine, R, extra | lb. | .54 | — |
| Y, extra | lb. | .58 | — |
| Fuchsine, conc | lb. | 2.34 | — |
| Green, malachite, conc | lb. | 1.80 | — |
| Rhodamine, B | lb. | 3.97 | — |
| Safranine, Y, conc | lb. | 2.66 | — |
| Violet, methyl, B | lb. | 1.08 | — |

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

| | | | |
|---|---|---|---|
| Black, acid blue, B, extra | lb. | .76 | — |
| Orange, acid, Y, conc | lb. | .43 | — |
| Rhodamine, azo- R, extra conc. | | | |
| Rhodamine, R, extra, conc | lb. | 3.97 | — |
| Scarlet, croceine, MOO | lb. | 1.33 | — |
| Yellow, azo-, conc | | .32 | — |
| Fast light, 3 G, extra | lb. | 1.99 | — |
| Methanil, conc | lb. | .83 | — |

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

## E

| | | | |
|---|---|---|---|
| Echinacea root, bls | lb. | .48 | .55 |
| Egg albumen (see Albumen). | | | |
| Yolk, dried, dom., bbls | lb. | 1.02 | 1.07 |
| tanners, bbls | lb. | .06½ | .07 |
| Elder flowers, bright, bls | lb. | .45 | .50 |
| Elecampane root, bls | lb. | .27 | .33 |
| Elm bark, grinding, bls | lb. | .33 | .38 |
| powd., bbls., bxs. | lb. | .46 | .47 |
| select, bndls. | lb. | .60 | .63 |
| Emetine hydrochloride, USP, bots | oz. | 42.50 | 43.00 |
| Ephedra herb, bls | lb. | .30 | .31 |

| | | | |
|---|---|---|---|
| Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs. | oz. | .93 | — |
| hydrous, bots., 100 ozs | oz. | .92 | — |
| Hydrochloride, tin, 100 ozs | oz. | .75 | — |
| Sulphate, cryst., tins, 100 ozs. | oz. | .72 | — |
| powd., tins, 100 ozs | oz. | .73 | — |
| Epichlorohydrin, dms., c.l., works | lb. | .36½ | — |
| l.c.l., works | lb. | .37 | — |
| tanks, works | lb. | .35 | — |
| Epinephrine, synth., USP, bots gram | | .60 | .70 |
| Epsom salt, tech., bgs., c.l., works, 100 lbs. | | 2.15 | — |
| l.c.l., works 100 lbs. | | 2.90 | 3.15 |
| USP, cryst., bgs., c.l., works 100 lbs. | | 2.35 | — |
| l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. | | 3.10 | — |
| smaller lots 100 lbs. | | 3.35 | — |
| Ergot, NF, cns | lb. | 1.35 | 1.40 |
| Eserine, bots | oz. | 55.00 | 56.00 |
| Salicylate, USP, bots | oz. | 38.75 | 39.75 |
| Sulphate, bots | oz. | 60.00 | 61.00 |
| Ether, acetate (see Ethyl acetate). | | | |
| Amyl, dms., c.l., works | lb. | .095 | — |
| l.c.l., works | lb. | .102 | — |
| tanks, works | lb. | .085 | — |
| Butyl, dms., c.l., dlvd | lb. | .30½ | — |
| l.c.l., dlvd | lb. | .31 | — |
| tanks | lb. | .29 | — |
| Butyric (see Ethyl butyrate). | | | |
| Dichloroethyl, purif., dms., works, | lb., | 16½ | — |
| l.c.l., same basis | lb. | .17 | — |
| tanks, same basis | lb. | .15 | — |
| Divinyl, USP, anesthesia, bots., 50 cc. hospitals | bot. | 1.00 | — |
| 75 cc. hospitals | bot. | 1.56 | — |
| Ethyl, absolute, ACS, dms | lb. | .50 | — |
| Anesthesia, USP, hospital, cns | lb. | .70 | 1.05 |
| Industrial, USP, dms., c.l., dlvd | lb. | .12 | — |

## Dyes, Coaltar, Certified Colors—Ethylene Dichloride

| | | | |
|---|---|---|---|
| Ether, ethyl, industrial, USP, dms., | | | |
| l.c.l., same basis | lb. | .13 | — |
| tanks, same basis | lb. | .10 | — |
| synthetic, dms. incl., frt. alld. | lb. | .11½ | — |
| l.c.l., same basis | lb. | .12½ | — |
| tanks, same basis | lb. | .10 | — |
| Isopropyl, dms., c.l., dlvd | lb. | .06 | — |
| l.c.l., dlvd | lb. | .06½ | — |
| tanks, dlvd | lb. | .04½ | — |
| Nitrous, conc., bots., 100 lbs | lb. | 1.03 | 1.10 |
| Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. | lb. | .11½ | — |
| l.c.l., frt. alld | lb. | .12½ | — |
| tanks, frt. alld | lb. | .10 | — |
| 95-98%, dms., c.l., frt. alld. | lb. | .11¾ | — |
| l.c.l., frt. alld | lb. | .12¾ | — |
| tanks, frt. alld | lb. | .10¼ | — |
| 99%, dms., c.l., frt. alld. | lb. | .12 | — |
| l.c.l., frt. alld | lb. | .13 | — |
| tanks, frt. alld | lb. | .10½ | — |
| synthetic, 85-90%, dms., c.l., frt. alld | lb. | .11½ | — |
| l.c.l., frt. alld | lb. | .12½ | — |
| tanks, frt. alld | lb. | .10 | — |
| 95-98%, dms., c.l., frt. alld | lb. | .11¾ | — |
| l.c.l., frt. alld | lb. | .12¾ | — |
| tanks, frt. alld | lb. | .10¼ | — |
| 99%, dms., c.l., frt. alld | lb. | .12¼ | — |
| l.c.l., frt. alld | lb. | .13¼ | — |
| tanks, dlvd | lb. | .10¾ | — |
| Acetoacetate, dms., c.l., dlvd | lb. | .47½ | — |
| l.c.l., dlvd | lb. | .48½ | — |
| tanks, dlvd | lb. | .46 | — |
| Benzoate, dms | lb. | .68 | — |
| Betaethoxypropionate, dms., works | lb. | .70 | — |

| | | | |
|---|---|---|---|
| Ethyl, bromide, tech., 98%, dms. | lb. | .39 | .41 |
| Butyrate, bgs | gal. | 4.75 | — |
| cns., works | lb. | .65 | .70 |
| dms., works | lb. | .60 | — |
| Carbamate (see Urethane). | | | |
| Chloride, tech., tanks | lb. | .13½ | — |
| USP, bbls., cyl | lb. | .20 | .22 |
| Cinnamate, cns | lb. | 2.30 | 3.60 |
| Formate, dms | lb. | .38 | — |
| Iodide, bots | lb. | 4.08 | 4.27 |
| Lactate, dms., works | lb. | .41 | — |
| Methycrylate, M-2, dms., works | lb. | .60 | — |
| cns., works | lb. | .63 | .67 |
| P-2, cns., works | lb. | .65 | — |
| Myristate, dms., works | lb. | No prices. | |
| Nitrite (see Ether, nitrous). | | | |
| Oenanthate, dms | lb. | 1.40 | 2.00 |
| Oleate, dms., l.c.l., works | lb. | .53 | — |
| Oxalate (see Diethyl oxalate). | | | |
| Silicate, dist. (see Tetraethyl orthosilicate) | | | |
| 40% available $SiO_2$, dms., works, | lb. | .53 | — |
| Ethylalphanaphthylamine, bbls | lb. | .50 | — |
| Ethylanilin, dms | lb. | .60 | — |
| Ethylbenzene, dms., c.l. | lb. | .14 | — |
| l.c.l. | lb. | .15 | — |
| tanks | lb. | .13 | — |
| Ethylcellulose, fib. dms., 5,000 lbs., works | lb. | .52 | — |
| smaller lots, works | lb. | .54 | .62 |
| Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies | lb. | .09 | — |
| W. of Rockies | lb. | .09½ | — |
| l.c.l., works, frt. alld., E. of Rockies | lb. | .11½ | — |
| W. of Rockies | lb. | .12 | — |
| smaller containers | lb. | .12½ | — |
| tanks, frt. alld. E. Rockies | lb. | .08 | — |
| W. of Rockies | lb. | .08½ | — |

Chemical users throughout the nation know
Mallinckrodt sulfites for their uniform dependable purity.

Potassium Metabisulfite Crystals

Mallinckrodt Sulfites

Ammonium Sulfite
Potassium Sulfite — Permanent wave solutions

Calcium Sulfite — Food bleach and preservative

Potassium Metabisulfite
Sodium Metabisulfite — Antiseptic in brewing and wine-making; sterilization of plant equipment, barrels and kegs; photography

Sodium Sulfite — Photography; permanent wave solutions

SULFITES

| | FORMULA | TYPICAL ASSAYS* | CALCULATED $SO_2$ EQUIVALENT | FORM | SOLUBILITY in parts per 100 of water at room temperature |
|---|---|---|---|---|---|
| AMMONIUM SULFITE | $(NH_4)_2SO_3 + H_2O$ | 99% as $(NH_4)_2SO_3 + H_2O$ | 47% | Small Granular | 68 |
| CALCIUM SULFITE | $CaSO_3 + 1½H_2O$ | 98% as $CaSO_3 + 1½H_2O$ | 48% | Crystalline Powder | 0.004 |
| POTASSIUM SULFITE | $K_2SO_3$ | 99% as $K_2SO_3$ | 49% | Coarse Crystalline Powder | 106 |
| POTASSIUM METABISULFITE | $K_2S_2O_5$ | 97% as $K_2S_2O_5$ | 57% | Granular or Powdered | 47 |
| SODIUM SULFITE | $Na_2SO_3$ | 99% as $Na_2SO_3$ | 50% | Small Granular Fine and Powder | 30 |
| SODIUM METABISULFITE | $Na_2S_2O_5$ | 99% as $Na_2S_2O_5$ | 61% | Granular or Powdered | 67 |

*These figures are determined at the time of manufacture. Over long storage periods changes may be expected since some of these chemicals have a strong affinity for oxygen.

82 Years of Service to Chemical Users

Mallinckrodt Chemical Works

UNIFORM DEPENDABLE PURITY

Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York 8, N. Y.
CHICAGO • CINCINNATI • CLEVELAND • LOS ANGELES
MONTREAL • PHILADELPHIA • SAN FRANCISCO

### Ethylene Oxide—Green, Chrome

| | | | |
|---|---|---|---|
| Ethylene oxide, cyls., c.l., works | lb. | .23¾ | .25 |
| l.c.l., works | lb. | .24¾ | .26 |
| tanks, works and frt. equald. or alld | lb. | .15¾ | .16¾ |
| Trichloride (see Trichloroethane). | | | |
| Ethylenediamine, tanks, works | lb. | .50 | — |
| Ethyleneglycol, dms., c.l., frt. alld. E | lb. | .16 | — |
| l.c.l., same basis | lb. | .17 | — |
| tanks, same basis | lb. | .14½ | — |
| Diethylether, dms., l.c.l., works | lb. | .50 | — |
| Monobutylether, dms., c.l. works | lb. | .21½ | — |
| l.c.l., works | lb. | .22 | — |
| tanks, works | lb. | .20 | — |
| Monoethylether, cms., c.l., works | lb. | .18 | — |
| l.c.l., works | lb. | .18½ | — |
| tanks, works | lb. | .16½ | — |
| Monoethylether acetate, dms., c.l., works | lb. | .16½ | — |
| l.c.l., works | lb. | .17 | — |
| tanks, works | lb. | .15 | — |
| Monomethylether, d m s., c.l., works | lb. | .19½ | — |
| l.c.l., works | lb. | .20 | — |
| tanks, works | lb. | .18 | — |
| Monomethylether acetate, dms., c.l., works | lb. | .24½ | — |
| l.c.l., works | lb. | .25 | — |
| tanks, works | lb. | .23 | — |
| Ethylethanolamines, mixed, dms., c.l., works | lb. | .32 | — |
| l.c.l., works | lb. | .33 | — |
| Ethylmorphine hydrochloride, USP, bots | oz. | 11.65 | — |
| Ethylorthotoluidine, bbls | lb. | .80 | — |
| Ethylvanillin, cns., 5 lbs. or more | lb. | 6.75 | — |
| smaller lots | lb. | 6.80 | 6.90 |
| Eucalyptol, USP, cns., dms. | lb. | 1.75 | 2.05 |
| Eucalyptus leaves, bls | lb. | .11 | .14 |
| Eugenol, prime, USP | lb. | 2.05 | 2.75 |
| Euphorbia pil., herb, bls | lb. | .15 | .17 |

## F

| | | | |
|---|---|---|---|
| Feldspar, enamel, 100 mesh, bgs., works | ton. | 20.00 | 22.00 |
| Glass, 20 mesh, bulk, tons, works | ton. | 11.75 | 12.50 |
| bulk, c.l., works | ton. | 18.00 | 20.00 |
| Pottery, bgs., 2 ton lots, works | ton. | 20.00 | 22.00 |
| bulk, c.l., works | ton. | 17.00 | 19.00 |
| Fennel seed, Argentine, bgs | lb. | .13½ | .14 |
| Indian, bgs. | lb. | .12½ | .13 |
| Fenugreek, domestic, bgs. | lb. | No stocks. | |
| Indian, bgs. | lb. | .12 | .12½ |
| futures, bgs. | lb. | .10¼ | .10½ |
| Moroccan, bgs | lb. | .11 | .14 |
| Fennel seed, Argentine, bgs | lb. | .13¼ | .13½ |
| Ferric-ammonium citrate (see iron-ammonium citrate). | | | |
| Ferric cacodylate (see iron cacodylate). | | | |
| Ferric glycerophosphate (see Iron glycerophosphate). | | | |
| Ferric hypophosphite (see Iron hypophosphite). | | | |
| Ferric sulphate (see Iron sulphate, ferric) | | | |
| Film scrap, colored, cs., works | lb. | .12 | — |
| water-white, cs., works | lb. | .13 | — |
| Fir balsam, Canada, cns | gal. | 32.50 | 33.00 |
| Oregon, bbls | gal. | 2.35 | 2.45 |
| Fishberries, bgs | lb. | .24 | .25 |
| Fishliver oil (see Oil, fishliver). | | | |
| Fishmeal, ground, 60% protein, bgs., Balto. area | ton. | 150.00 | Nom. |
| 65% protein, bgs., Balto. area | ton. | 155.00 | Nom. |
| Fishscrap, dried, 60% protein, bulk, Balto. area | ton. | 142.50 | Nom. |
| Fleaseed (see Psyllium seed). | | | |
| Fluorspar, acid grade, bgs., c.l., mines | ton. | 47.50 | — |
| l.c.l., mines | ton. | 49.50 | — |
| bulk, contract, c.l., mines | ton. | 42.00 | — |
| noncontract, c.l., mines | ton. | 45.00 | — |
| l.c.l., mines | ton. | 47.00 | — |
| ceramic grade, No. 1, ground, 90-92% $CaF_2$, bulk, c.l., mines net | ton. | 39.90 | 41.00 |
| washed, gravel, 70% or more, $CaF_2$, bulk, c.l., mines | ton. | 35.00 | 37.00 |
| 65%, bulk, c.l., mines | ton. | 34.00 | 36.00 |
| 60%, bulk, c.l., mines | ton. | 33.00 | 35.00 |
| less than 60%, bulk, c.l., mines. | ton. | 32.00 | 34.00 |
| Formaldehyde, USP (inhibited), dms., c.l., E. works | lb. | .0570 | — |
| l.c.l., E. works | lb. | .0620 | — |
| tanks, E. works | lb. | .0370 | — |
| methanol-free (uninhibited) tanks, works | lb. | .0350 | — |

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

| | | | |
|---|---|---|---|
| Fringetree bark, bls. | lb. | .45 | .47 |
| Fuller's earth, dom., powd., bgs., c.l., Fla., Ga mines | ton. | 30.00 | — |
| Tex., mines | ton. | 27.00 | — |
| spent, bulk, Bayonne | ton. | 2.00 | 4.00 |
| fmp., bgs., c.l. | ton. | 30.00 | 40.00 |
| Furfural, tech., dms., c.l., works | lb. | .12 | — |
| l.c.l., works | lb. | .14 | — |
| tanks, works | lb. | .09½ | — |
| Fusel oil, refined, dms., c.l. | lb. | .23½ | — |
| l.c.l. | lb. | .24½ | — |
| tanks | lb. | .24 | — |
| Fustic extract, cryst., No. 1, bbls., l.c.l | lb. | .42½ | — |
| No. 1A, bbls., l.c.l | lb. | .41½ | — |
| No. 2, bbls., l.c.l | lb. | .40½ | — |
| No. 3, bbls., l.c.l | lb. | .38½ | — |
| liquid, No. 0, bbls. l.c.l | lb. | .22 | — |
| No. 1, bbls., l.c.l | lb. | .20½ | — |
| No. 2, bbls., l.c.l | lb. | .19½ | — |
| No. 3, bbls., l.c.l | lb. | 17 | — |
| solid, No. 1, bxs., l.c.l | lb. | 28 | — |

## G

| | | | |
|---|---|---|---|
| G salt, bbls | lb. | .59 | .60 |
| Galangal root, bls. | lb. | .14 | .15 |
| Gambier, plantation, bgs., ex dock | lb. | No stocks. | |
| Extract, bbls | | No stocks. | |
| Gammapicoline, 95%, dms., c.l., works | lb. | 1.00 | 1.05 |
| Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks. | gal. | .10125 | — |
| Bayonne, 76 octane, tanks. | gal. | .132 | — |
| Gulf coast, 73-75 octane, tanks. | gal. | .10 | .11 |
| Group 3, 73-75 octane, tanks | gal. | .09875 | .10125 |
| Pennsylvania, western, U. S. motor, 74 octane, leaded tanks | gal. | .1175 | .12 |
| natural, 26-70 octane, group 3, tanks | gal. | .05 | — |
| Gelatin, silver label, cs., works | lb. | 1.20 | — |
| Gelsemium root, bls | lb. | .35 | .40 |
| Gentian root, bls | lb. | .14 | .16 |
| grd., bbls., bxs | lb. | .17 | .19 |
| powd., bbls., bxs | lb. | .18 | .20 |
| Geraniol, extra, cns., dms | lb. | 2.50 | 2.75 |
| prime | lb. | 2.20 | 2.40 |
| Geranyl acetate, cns | lb. | 2.65 | 3.90 |
| Ginger, oleoresin, bots | lb. | 4.50 | 4.75 |
| Root, African, bls | lb. | .27 | .28 |
| Cochin, bleached, bgs. | lb. | No stocks. | |
| unbleached, bgs. | lb. | .20 | Nom. |
| Jamaica, No. 1, bgs. | lb. | No stocks. | |
| No. 2, bgs. | lb. | .35 | .36 |
| No. 3, bgs. | lb. | .33 | .34 |
| Ginseng root, cs | lb. | 12.00 | 16.00 |
| Glauber's salt, anhyd. (see Sodium sulphate), cryst., bgs., c.l., works 100 lbs. | | 2.00 | — |
| l.c.l., bgs., works 100 lbs. | | 2.25 | 2.50 |
| Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest | lb. | .14½ | — |
| 40-65, bgs., c.l., same basis | lb. | .16½ | — |
| 65-90, bgs., c.l., same basis | lb. | .18 | — |
| 95-145, bgs., c.l., same basis. | lb. | .22½ | — |
| 145-180, bgs., c.l., same basis. | lb. | .25 | — |

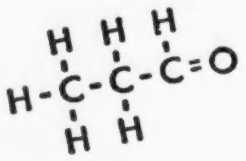
Bone glue, l.c.l., prices 1c. higher than c.l.

| | | | |
|---|---|---|---|
| ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd | lb. | 16 | — |
| l.c.l., same basis | lb. | 17 | — |
| pulverized, 50-60 jellygrams, bgs., c.l., (50,000 lbs.) same basis | lb. | .18½ | — |
| l.c.l., same basis | lb. | 19½ | — |
| Hide, 100-121 (jellygrams), bgs., c.l., dlvd | lb. | .24 | .25 |
| 122-149, bgs., c.l., dlvd | lb. | .25 | .26 |
| 150-177, bgs., c.l., dlvd | lb. | .26 | .27 |
| 178-206, bgs., c.l., dlvd | lb. | .27 | .29 |
| 207-236, bgs., c.l., dlvd | lb. | .28 | .30 |
| 237-266, bgs., c.l., dlvd | lb. | .29 | .31 |
| 267-296, bgs., c.l., dlvd | lb. | .30 | .32 |
| 299-330, bgs., c.l., dlvd | lb. | .31 | .33 |
| 331-362, bgs., c.l., dlvd | lb. | .32 | .35 |
| 363-394, bgs., c.l., dlvd | lb. | .33 | .36 |
| 395-427, bgs., c.l., dlvd | lb. | .34 | .37 |
| 428-460, bgs., c.l., dlvd | lb. | .35 | .38½ |
| 461-494, bgs., c.l., dlvd | lb. | .36 | .40 |
| 495-529, bgs., c.l., dlvd | lb. | .37 | .41 |

Hide glue, l.c.l., prices 1c. higher than c.l.; bbls., ½c. more than bgs.

| | | | |
|---|---|---|---|
| Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd | lb. | .16¾ | — |
| soaplye, 80%, tanks, dlvd | lb. | .15¼ | — |
| dynamite, dms., c.l., dlvd | lb. | .24 | — |
| l.c.l., dlvd | lb. | .24½ | — |
| tanks, dlvd | lb. | .23½ | — |
| high gravity, dms., c.l., dlvd | lb. | .24¼ | — |
| l.c.l., dlvd | lb. | .24¾ | — |
| tanks, dlvd | lb. | .23¾ | — |
| refined, BP, 99%, dms., c.l., dlvd. | lb. | .25½ | — |
| l.c.l., dlvd | lb. | .26 | — |
| tanks, dlvd | lb. | .25 | — |
| USP, c.p., 95%, dms., c.l., dlvd | lb. | .24¾ | — |
| l.c.l., dlvd | lb. | .25¼ | — |
| tanks, dlvd | lb. | .24¼ | — |
| yellow, distilled, dms., c.l., dlvd | lb. | .24⅛ | — |
| | lb. | .24⅜ | — |
| l.c.l., dlvd | lb. | .24⅝ | — |
| tanks, dlvd | lb. | .23⅝ | — |
| Glycine USP (see Acid, aminoacetic). | | | |
| Glycol boriborate, dms | lb. | .22 | — |
| Stearate, dms. | lb. | .26 | — |
| Glyoxal, 30%, dms., c.l., works | lb. | .17½ | — |
| l.c.l., works | lb. | .18 | — |
| tanks, works | lb. | .17 | — |
| Gold chloride, acid-brown, bots | oz. | 22.00 | 22.25 |
| acid-yellow, bots | oz. | 20.00 | 20.25 |
| Gold of pleasure seed, bgs | lb. | 40 | 41 |
| Golden seal, root, bls | lb. | 3.65 | 4.00 |
| powd., bxs | lb. | 4.25 | 4.50 |
| Gold-sodium chloride, photo, bots | oz. | 13.50 | 14.00 |
| USP IX, bots | oz. | 14.50 | 15.00 |
| Grains of paradise, bgs | lb. | 27 | 28 |
| Graphite, imported, amorph., powd., bgs., dlvd | lb. | .04 | .06 |
| crystalline, 88-90%, powc., bgs., ex whse | lb. | .14 | .16 |
| 90-92%, powd., bgs., ex whse. | lb. | .16 | .19 |
| 97%, powd., bgs., ex wnse | lb. | .22 | .25 |
| Rake, No. 1, 90-95%, bgs., ctns., ex whse | lb. | .21 | .22 |
| No 2 whse | lb | .23 | — |
| Grease, house, dlvd., loose | lb. | .04¼ | Nom. |
| White, choice, loose | lb. | .04¾ | Nom. |
| Wool (see Degras and Lanolin). | | | |
| Yellow, loose | lb. | .04⅜ | — |
| Green, brilliant, thioflavin, toner, molybdic, kgs., works | lb. | 4.25 | 4.50 |
| Tungstic, kgs., works | lb. | 4.25 | 4.50 |
| Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis | lb. | .37 | — |
| 6-10%, bbls., same basis | lb. | .38 | — |
| 11-15%, bbls., same basis | lb. | .38¾ | — |
| 16-20%, bbls., same basis | lb. | .39½ | — |
| 21-25%, bbls., same basis | lb. | .40½ | — |
| 26-30%, bbls., same basis | lb. | .40¾ | — |
| 31-35%, bbls., same basis | lb. | .40½ | — |
| 36-40%, bbls., same basis | lb. | .43½ | — |


# CELANESE* PROPIONALDEHYDE



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Propionaldehyde, formerly produced in pilot plant quantities, is now on the Celanese list of major chemicals, and available in tank car quantities. With properties midway between acetaldehyde and butyraldehyde, this aldehyde has the typical highly reactive qualities of the aldehyde group. It can be used to enhance the properties of many products wherein other aldehydes are now used.

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Green, chrome, CP, dark, medium, light, color content up to 41-45%, bbls., same basis . lb. .45 - —
46-50%, bbls., same basis . lb. .46¾ - —
50% and over, bbls., same basis lb. .47¾ - —
reduced color, 5%, bbls., same basis lb. .13 - —
6-10%, bbls., same basis . lb. .13¾ - —
11-13%, bbls., same basis . lb. .14¼ - —
14-16%, bbls., same basis . lb. .15 - —
17-19%, bbls., same basis . lb. .15¼ - —
20-21%, bbls., same basis . lb. .15½ - —
22-23%, bbls., same basis . lb. .15¾ - —
24-25%, bbls., same basis . lb. .16 - —
26-27%, bbls., same basis . lb. .16½ - —
28-29%, bbls., same basis . lb. .17 - —
30-31%, bbls., same basis . lb. .18 - —
32-33%, bbls., same basis . lb. .19¼ - —
34-35%, bbls., same basis . lb. .20¼ - —
36-40%, bbls., same basis . lb. .23 - —
41-45%, bbls., same basis . lb. .25¼ - —
46-50%, bbls., same basis . lb. .26¾ - —
51-55%, bbls., same basis . lb. .26½ - —
56-60%, bbls., same basis . lb. .27 - —
61-65%, bbls., same basis . lb. .28 - —
66-70%, bbls., same basis . lb. .29¼ - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb. .33 - .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works, lb. 4.40 - 5.00
Tungstated, brilliant, kgs. lb. 3.00 - 4.00
Emerald, kgs lb. 2.60 - —
Verdigris (see V).
Grindella robusta herb, bls. lb. .25 - .30
Guaiac resin, cs lb. .48 - .49
Wood, bls lb. .35 - .36
Guaiacol, cryst., tins lb. No prices.
Liquid, NF, bots., cbys. lb. 1.90 - 1.95
Carbonate, dms lb. 2.95 - 3.00
Guarana, powd., cs lb. 2.00 - 2.10
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs lb. .90 - .95
Arabic, amber, sorts, bgs. lb. .12 - .14
powdered, USP, bbls. lb. .20½ - .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs. lb. .38 - .40
Camphor (see C).
Copal, Congo, No. 1, bgs. lb. .23 - .25
No. 2, bgs. lb. .19 - .21
No. 3, bgs. lb. .14 - .16
Manila, loba, B, bgs. lb. .26 - .28
C, bgs. lb. .24 - .26
CBB, bgs. lb. .19 - .21
CNE, bgs. lb. .13½ - .15
DBB, bgs. lb. .18 - .20
DK, bgs. lb. .13½ - .15
dust, bgs. lb. .07½ - .09
soft, MA, bgs. lb. .13½ - .15
WS, bgs. lb. .20 - .21
Philippine, pale, chips, bgs. lb. .18½ - .20½
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½ - .19½
Pontianak, chips, bgs. lb. .22 - .24
nubs, bgs. lb. .35 - .38
Dammar, Batavia, A/D, bgs. lb. .28 - .30
A/E, bgs. lb. .23 - .24
dust, bgs. lb. .08½ - .09½
E, bgs. lb. .14 - .15
East India, batu, bold, bgs. lb. .09¾ - .11
nubs & chips, bgs. lb. .07½ - .09
black, bold, bgs lb. .12½ - .13½
unscraped, bgs. lb. .09½ - .10½
nubs & chips, bgs. lb. .09½ - .10½
pale, chips, bgs. lb. .13 - .15
nubs, bgs. lb. .26 - .28
Singapore, No. 1, bgs. lb. .30 - .32
No. 2, bgs. lb. .22 - .23
No. 3, bgs. lb. .10 - .12
dust, bgs. lb. .09 - .10
seeds, bgs. lb. .13 - .14
Elemi, cns lb. .21 - .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .17 - .17¾
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc lb. .17 - .17¾
Euphorbium, cs lb. .50 - .55
Galbanum, cs lb. .98 - 1.00
Gamboge, pipe, cs. lb. 1.20 - 1.25
powd., bbls. lb. 1.35 - 1.40
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Gualac resin).
Karaya, powd., No. 1. lb. .51 - .52
No. 2 lb. .47 - .48
No. 3 lb. .39 - .40
Kauri, bgs lb. .31½ - .32¾
Locust bean, powd., bgs. lb. .35 - .37
Mastic, cs lb. 2.25 - 2.30
Myrrh, cs lb. .35 - .38
Olibanum, siftings, cs. lb. .12 - .13
tears, cs lb. .22 - .38
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. .90 - .95
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs. lb. 3.00 - 3.25
No. 2, cs lb. 2.40 - 2.65
No. 3, cs lb. 2.00 - 2.25
powdered, USP, bbls. lb. 1.35 - 1.45
Yacca, bgs lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald. ton. 22.65 - —
Harlem river, N. Y., frt. equald. ton. 28.25 - —
Medicine Lodge, Kan., frt. equald. ton. 17.00 - —
New Brighton, N. Y., frt. equald. ton. 30.63 - —
Southard, Okla., frt. equald ton. 17.00 - —
Sweetwater, Tex., frt. equald. ton. 21.45 - —

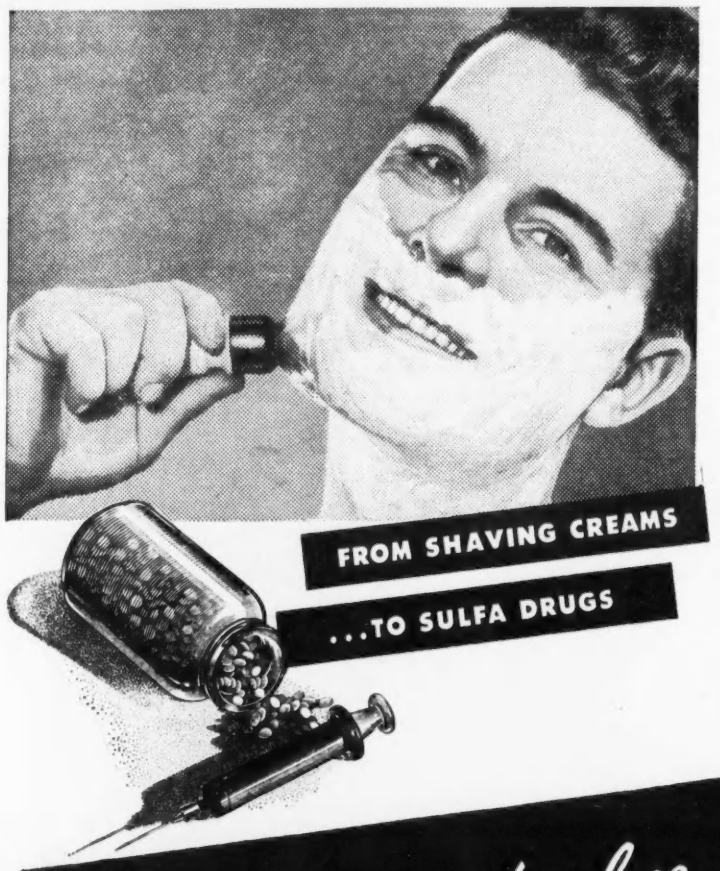
Gypsum, plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald. ton. 12.50 - —
Blue Rapids, Kans., frt. equald. ton. 10.50 - —
Harlem river, N. Y., frt. equald ton. 12.00 - —
Medicine Lodge, Kan., frt. equald. ton. 12.50 - —
New Brighton, N. Y., frt. equald. ton. 18.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald ton. 12.50 - —
Stucco, paper bgs., c.l., Acme, Texas, frt. equald. ton. 8.00 - —
Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Gypsum, Ohio frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N.H., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Gypsum, stucco, paper bgs., Saltville, Va., frt. equald ton. 9.00 - —
Soutnard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald. ton. 8.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 - —

## H

Hawthorn berries, bgs lb. .55 - .57
Heliotropin, cryst., cns lb. 2.85 - 3.05
Hellebore root, dom., green, bls lb. .60 - .65
imp., black, whole, bls lb. .30 - .32
ground, bxs. lb. .35 - .37
powder, bxs. lb. .37 - .39
white, whole, bls. lb. .35 - .37
powder, bxs. lb. .43 - .45
Helonias root, bls lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½ - —
No. 1, bbls., l.c.l. lb. .44½ - —
No. 1A, bbls., l.c.l. lb. .41½ - —
No. 2, bbls., l.c.l. lb. .40½ - —
No. 3, bbls., l.c.l. lb. .38½ - —
No. 4, bbls., l.c.l lb. .36½ - —
No. 5, bbls., l.c.l lb. .34½ - —
paste, No. 1, bbls., l.c.l. lb. .19 - —
No. 2, bbls., l.c.l lb. .18 - —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½ - —

Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls lb. .40 - .75
Henna leaves, bls lb. .21 - .23
powd., bbls., bgs lb. .25 - .27
Heptane, industrial, Bayonne, N. J., tanks gal. .16 - —
group 3, tanks gal. .12½ - .13½
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .27½ - —
smaller lots, same basis lb. .28½ - —
USP, dms., 500 lbs., or more, same basis lb. .38½ - —
smaller lots, same basis lb. .39½ - —
Diphosphate, USP, bots kilo. 500.00 - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks, gal. .13½ - .14½
Bayonne, N. J., tanks gal. .16 - —
Hexanol, normal, dms., c.l., works, lb. .30½ - —
l.c.l., works lb. .31 - —
tanks, works lb. .29 - —
Hexylenegiycol (see Methylpentanediol).
Hexyiresorcinol, USP, 100 lbs. up, frt. alld lb. 19.00 - —
works lb. 19.00 - 27.75
smaller lots, frt. alld lb. 20.00 - 21.50
works lb. 20.00 - 33.50
Histidine hydrochloride—laevo, NF, fib. dms., works, 50 kilos. kilo. 120.00 - —
1-5 kilos kilo. 130.00 - —

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★ ★ ★

**IMPROVED SUPPOSITORY.** A new suppository, claimed to be a firmer and more generally satisfactory product, contains 65 per cent glycerine. (D-2)

★ ★ ★

**RELIEF FOR MYCOTIC VULVOVAGINITIS.** Treatment of mycotic vulvovaginitis, generally unsatisfactory in the past, may be improved by a new jelly containing calcium propionate, sodium propionate, propionic acid, and glycerine. (D-3)

★ ★ ★

**NEW ANTISEPTIC SCALP WASH.** Infectious conditions of the scalp are said to be treated effectively by a new wash preparation containing glycerine as an essential ingredient. (D-4)

★ ★ ★

**GLYCEROL VISCOSITIES TABLE AVAILABLE.** Miner Laboratories, headquarters for the Glycerine Producers' Association program of glycerine research, has prepared a table of viscosities of glycerol in aqueous solution from 0 to 100 per cent, at from 0 to 100 degrees C. You can obtain your copy by merely checking item D-5 on the coupon below. (D-5)

★ ★ ★

**NON-SPLASH GLYCERINE DISPENSER.** A new spigot glycerine dispenser is claimed to deliver a free and steady flow of liquid without splash or waste. (D-6)

GLYCERINE PRODUCERS' ASSOCIATION, DEPT. 6
295 MADISON AVENUE
NEW YORK 17, N. Y.

I should like to receive more information on the source of the items appearing in Technical Glycerine News. I have checked below those items which interest me.

☐ D-1 ☐ D-2 ☐ D-3 ☐ D-4 ☐ D-5 ☐ D-6

NAME.....

COMPANY.....

ADDRESS.....

## Homatropine Hydrobromide—Lignin Extract

| | | | |
|---|---|---|---|
| Homatropine hydrobromide, USP, bots | oz. | 15.00 | -25.00 |
| Hydrochloride, bots | oz. | 20.00 | -22.00 |
| Methylbromide, NF | oz. | 16.00 | -18.50 |
| Hoofmeal, 17-18% ammonia bulk, c.l., Chicago | unit-ton. | 7.00 | - — |
| Hops, NF, bls. | lb. | .40 | - .45 |
| Horehound, bls. | lb. | .12 | - .15 |
| Hydrangea root, bls | lb. | .14 | - .17 |
| Hydrastine, bots | oz. | 53.50 | -53.80 |
| Hydrochloride, NF | oz. | 29.50 | -36.00 |
| Sulphate, bots | oz. | 53.50 | -53.80 |
| Hydrastinine, 10-grain bots | bot. | 1.95 | - — |
| Hydrastis (see Goldenseal). | | | |
| Hydrofuramide, dms., fib. cns., works | lb. | .30 | - .40 |
| Hydrogen peroxide, USP, bbls | lb. | .03¾ | - .05 |
| 27½%, cbys., E. of Miss. or W. coast via Panama Canal | lb. | .17½ | - .19¼ |
| 35%, cbys., same basis | lb. | .23½ | - — |
| dms., c.l., same basis | lb. | .20½ | - — |
| l.c.l., same basis | lb. | .21½ | - — |
| tanks | lb. | .19¾ | - — |
| Hydroquinone, photographic, bbls., dms | lb. | .90 | - — |
| tech., dms. | lb. | .70 | - — |
| Hydroxycitronellal, cns | lb. | 5.35 | - 6.50 |
| Hyoscine hydrobromide, bots | oz. | 34.00 | -38.00 |
| Hyoscyamine, bots | oz. | 18.00 | -20.00 |
| Hydrobromide, bots | oz. | 18.00 | -19.50 |
| Sulphate, bots | oz. | 14.00 | -19.50 |
| Hypernic extract, cryst., No. 1, bbls., l.c.l | lb. | .56 | - — |
| No. 2, bbls., l.c.l | lb. | .48 | - — |
| liquid, No. 1, bbls., l.c.l | lb. | .30 | - — |
| No. 2, bbls., l.c.l | lb. | .25 | - — |
| solid, No. 1, bxs., l.c.l | lb. | .44 | - — |
| Hyssop herb, bgs | lb. | .45 | - .50 |
| Leaves, bgs | lb. | .55 | - .60 |

## I

| | | | |
|---|---|---|---|
| Iceland moss, bgs | lb. | .40 | - .50 |
| Ichthammol, NF, bots | lb. | 2.45 | - — |
| powd., bbls | lb. | .74½ | - .85 |
| Indian red (see Red, Indian). | | | |
| Indigo, nat., chests | lb. | 2.14 | - 2.16 |
| synth., paste, bots | lb. | .23 | - — |
| Indol, CP, bots | lb. | 17.60 | -19.00 |
| Inositol, tins, dlvd | lb. | 5.00 | - — |
| Insect flowers (see Pyrethrum). | | | |
| Iodine, crude, kgs., ex whse, Staten Island | lb. | 1.729 | - — |
| resubl., USP, bots., jars | lb. | 2.55 | - 2.65 |
| Idochlorohydroxyquinolin, NF, dms | lb. | 6.40 | - — |
| Iodoform, NF, dms., kgs | lb. | 4.30 | - 4.74 |
| Ionone, alpha, cns | lb. | 5.15 | -12.30 |
| beta, cns | lb. | 7.05 | - 6.50 |
| Methyl (see M). | | | |
| IPC, bots., 1-5 lbs | lb. | 2.68 | - 2.72 |
| fib. dms., 100 lbs., ship't point | lb. | 2.30 | - 2.50 |
| 50 lbs., ship't point | lb. | 2.40 | - 2.52 |
| 10-25 lbs., ship't point | lb. | 2.50 | - 2.54 |
| Ipecac root, bgs | lb. | 4.10 | - 4.25 |
| powd., bgs | lb. | 4.50 | - 4.75 |
| Irish moss, bleached, prime, bls | lb. | .18 | - .19 |
| Iron acetate, liquor, 28° bbls., c.l., works | lb. | .09 | - — |
| l.c.l., works | lb. | .09¾ | - — |
| solut., USP IX, cbys | lb. | .16 | - — |
| djns. | lb. | 17 | - — |
| Cacodylate, NF, bots | lb. | 13.50 | -14.50 |
| Chloride (ferric), anhydr., tech., dms., c.l., works | 100 lbs. | 5.75 | - — |
| l.c.l., works | 100 lbs. | 6.50 | - 7.50 |
| Iron chloride, cryst., tech., c.l., bbls., works | 100 lbs. | 5.00 | - 6.00 |
| l.c.l., bbls., works | 100 lbs. | 5.50 | - 8.00 |
| USP, dms., works | lb. | .06¾ | - .08¼ |
| solut., 42 Be, cbys., works, frt. alld. or equald | lb. | .06 | - .06½ |
| Citrate, gran., dms | lb. | .77 | - .79 |
| Glycerophosphate, N.F., powd | lb. | 4.25 | - 4.35 |
| Hypophosphite, NF, dms | lb. | 2.80 | - — |
| Iodide, bots | lb. | 3.66 | - 3.73 |
| Naphthenate, liq., 6% Fe, dms., frt. alld | lb. | .21¼ | - .21¾ |
| Nitrate, red, tech., dms | lb. | .03½ | - .04 |
| Oxalate, gran., dms | lb. | .83 | - .85 |
| Phosphate, soluble, NF, gran., cs. | lb. | .64 | - .65 |
| Pyrophosphate, soluble, NF VII, gran., dms | lb. | .69 | - .72 |
| Reduced (see Iron by hydrogen). | | | |
| Resinate, 7.4%, Fe, dms., frt. alld. | lb. | .24 | - — |
| Stearate, dms., c.l | lb. | .34 | - — |
| ton lots | lb. | .35 | - — |
| less ton lots | lb. | .36 | - — |
| Sulphate (ferric), anhyd., bgs., c.l., works | ton. | 52.50 | - — |
| l.c.l., works | ton. | 57.50 | - — |
| partially hydrated, bgs., c.l., works | ton. | 28.50 | - — |
| l.c.l., works | ton. | 29.50 | - — |
| (ferrous), tech. (see Copperas). | | | |
| USP, cryst., bbls., dms | lb. | .09½ | - .10 |
| Iron by hydrogen, kgs | lb. | .80 | - .85 |
| Iron-ammonium citrate, green, NF, gran., dms | lb. | .55 | - .58 |
| brown, USP, gran., dms | lb. | .55 | - .58 |
| Oxalate, dms | lb. | .25½ | - .28½ |
| Iron-potassium oxalate fine gran., dms. | lb. | .30½ | - .33½ |
| Iron-sodium oxalate, fine gran., dms | lb. | .25½ | - .28½ |
| Isobornyl acetate, cns | lb. | .97 | - 1.10 |
| Isobutyl acetate, cns | lb. | .82 | - 1.25 |
| Methacrylate, M-5, dms., works | lb. | .60 | - — |
| cns., works | lb. | .63 | - .67 |
| P-5, cns., works | lb. | .60 | - — |
| Propionate, cns | lb. | No prices. | |
| Thiocyanocetate, dms., c.l., works. | gal. | 3.85 | - — |
| l.c.l., works | gal. | 3.85 | 4.05 |
| tanks, works | gal. | 4.23 | - — |
| Isobutyraldehyde, dms., works | lb. | .50 | - .53 |
| Isoeugenol, cns. | lb. | 3.10 | - 3.40 |
| Isoleucine, dextro-laevo, with alloisoleucine, dms., works | lb. | 28.00 | -35.00 |
| Isopentane, dms., works | lb. | .45 | - .55 |
| Isophorone, dms., c.l., works | lb. | .23½ | - — |
| l.c.l., works | lb. | .24 | - — |
| tanks, works | lb. | .22 | - — |
| Isopropanol (see Acohol, isopropyl). | | | |
| Isopropyl acetate, dms., c.l., frt. alld. E. of Rockies | lb. | .11½ | - — |
| l.c.l., same basis | lb. | .12 | - — |
| tanks, same basis | lb. | .10 | - — |
| Alcohol (see Alcohol, isopropyl). | | | |
| Benzene (see Cumene). | | | |
| Ether (see Ether, isopropyl). | | | |
| Phenylcarbamate (see IPC). | | | |
| Isopropylamine, dms., works, c.s. | lb. | 24 | - — |
| l.c.l., works | lb. | .25 | - — |

## J

| | | | |
|---|---|---|---|
| Jaborandi leaves, bls | lb. | 15 | 20 |
| Jalap root, NF, bls | lb. | .40 | - .45 |
| powd., bbls., bxs | lb. | .45 | - .55 |
| Resin, powd., bxs | lb. | 7.15 | 7.25 |
| Juniper berries, bgs. | lb. | .09 | .18 |
| Tar, USP, dms | lb | 40 | 65 |

## K

| | | | |
|---|---|---|---|
| Kamala, powd., cns | lb. | .45 | .52 |
| Kaolin (see China clay). | | | |
| Kava kava root, bls | lb. | .25 | - .30 |
| Kerosene, at refinery; Ark., 42-44 specific gravity, w.w., tanks | gal. | .0875 | - — |
| Bayonne, 41-43 s.g., w.w., tanks. | gal. | .093 | - — |
| California, 40-43, s.g., w.w., tanks. | gal. | .121 | - .156 |
| Gulf ports, 41-43, s.g., w.w., tanks. | gal. | .09 | - .0925 |
| Okla.-Tex., 41-43, s.g., w.w., tanks. | gal. | .08625 | - .09 |
| Penn., 45, s.g., w.w., tanks | gal. | .11 | - .114 |
| 47, s.g., w.w., tanks | gal. | .1125 | - — |
| Kola nuts, bgs | lb. | .08 | - .10 |
| Kyanite, imp., low iron content, 10-mesh, whse | ton. | 85.00 | -95.00 |
| calcined, grain, 10-mesh, whse | ton. | 95.00 | -105.00 |

## L

| | | | |
|---|---|---|---|
| Lady slipper root, bls | lb. | 1.55 | - 1.85 |
| Lanolin, anhyd., cosmetic, dms., works | lb. | .28 | - .30 |
| pharmaceutical, USP, dms., works | lb. | .26 | - .28 |
| hydrous | lb. | .24 | - .26 |
| Lard, cash, trcs., Chicago | lb. | .12 | - .12¼ |
| Larkspur seed bgs | lb. | .35 | - .40 |
| Laurel berries, bls | lb. | .25 | - .26 |
| Leaves, Portuguese, bls. | lb. | .07¼ | - .08 |
| Greek, bls | lb. | .07 | - .08 |
| Turkish, bls | lb. | .15 | - .16 |
| Lavender flowers, medium, bls | lb. | .55 | - .60 |
| ordinary, bls | lb. | .20 | .21 |
| select, bls | lb. | .60 | - .65 |
| Lead acetate, white, crystals, dms., | lb. | .23¾ | - — |
| gran., bbls. | lb. | .24½ | - — |
| powd., bbls. | lb. | .24½ | - — |
| USP, cryst., dms | lb. | .27 | - .31 |
| gran., powd., dms | lb. | .27¾ | - .31¾ |
| Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld | lb. | .30 | - — |
| l.c.l., frt. alld | lb. | .31 | - — |
| 1-lb. bgs., c.l., frt. alld | lb. | .38 | - .41¼ |
| l.c.l., frt. alld | lb. | .39 | - .42¼ |
| Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East. | | | |
| Blue basic sulphate, bbls., c.l., ship't point, frt. alld | lb. | .15¾ | - — |
| l.c.l., works | lb. | .16¾ | - — |
| Carbonate (see Lead, white). | | | |
| Chloride, fib. dms. | lb. | .49 | - — |
| Iodide, NF V, jars | lb. | 2.94 | - 3.13 |
| Linoleate, liq., 13% Pb, dms., frt. alld | lb. | .38½ | - — |
| Metal, pigs, prime, N. Y | lb. | .15 | - — |
| E. St. Louis | lb. | .1480 | - — |
| Metallic paste, dms., 10,000-40,000 lbs., works | lb. | .34½ | - — |
| 2,000-10,000 lbs., same basis | lb. | .35½ | - — |
| 1 to 2,000 lbs., same basis | lb. | .36½ | - — |
| Naphthenate, liquid, 16% Pb, dms., dlvd | lb. | .16¼ | - .16¾ |
| 24% Pb, dms., dlvd | lb. | .22½ | - .23 |
| 30% Pb, dms., dlvd | lb. | .27½ | - .28 |
| Nitrate, bbls., c.l. | lb. | .20¼ | - — |
| l.c.l. | lb. | .20½ | - — |
| Oleate, bbls. | lb. | .29½ | - — |
| Peroxide, powd., tech., bbls | lb. | .41 | - .43 |
| Red, 95%, $Pb_3O_4$, or less, bbls., c.l., ship't point, frt. alld. | lb. | .17¾ | - — |
| l.c.l., same basis | lb. | .18¾ | - — |
| 97% $Pb_3O_4$, bbls., c.l., same basis. | lb. | .18 | - — |
| l.c.l., same basis | lb. | .19 | - — |
| 98%, $Pb_3O_4$, bbls., c.l., same basis | lb. | .18¼ | - — |
| l.c.l., same basis | lb. | .19¼ | - — |
| Resinate, fused, 19% Pb, dms., dlvd | lb. | .21¼ | - — |
| Silicate, bgs., l.c.l., shipt. point, frt. alld | lb. | .1710 | - .1775 |
| Stearate, bbls., c.l | lb. | .36 | - — |
| ton lots | lb. | .37 | - — |
| less ton lots | lb. | .38 | - — |
| Sulphate (see Lead, blue; Lead, white, basic sulphate). | | | |
| Tallate, liquid, 16% Pb, dms | lb. | .14¾ | - .15¼ |
| solid, 30% Pb, dms | lb. | .23 | - .23½ |
| White, basic carbonate, bgs., c.l., ship't point, frt. alld | lb. | .17 | - — |
| l.c.l., same basis | lb. | .18 | - — |
| basic silicate, bgs., c.l., ship't point, frt. alld | lb. | .16 | - .19¼ |
| l.c.l., same basis | lb. | .16½ | - .20¼ |
| basic sulphate, bgs., c.l., ship't point, frt. alld | lb. | .15¾ | - — |
| l.c.l., same basis | lb. | .16¾ | - — |
| Lecithin, edible, tech., bleached, dms., non-ret., c.l., works | lb. | .16 | - — |
| l.c.l., same basis | lb. | .18½ | - — |
| unbleached, c.l., same basis | lb. | .15 | - — |
| l.c.l., same basis | lb. | .17½ | - — |
| Lemon peel, bls | lb. | .25 | - .30 |
| Leucine, dextro-laevo, dms., works | lb. | 28.00 | -35.00 |
| Licorice extract, mass, cns | lb. | .25 | .30 |
| powd., bbls. | lb. | .40 | .42 |
| Root, bls | lb. | .08 | .09 |
| 5-lb. bundles, cs | lb. | .40 | .45 |
| powd., bbls | lb. | .11 | .13 |
| Lignin extract, tanning grade, bgs., c.l., works | lb. | .04¾ | - — |


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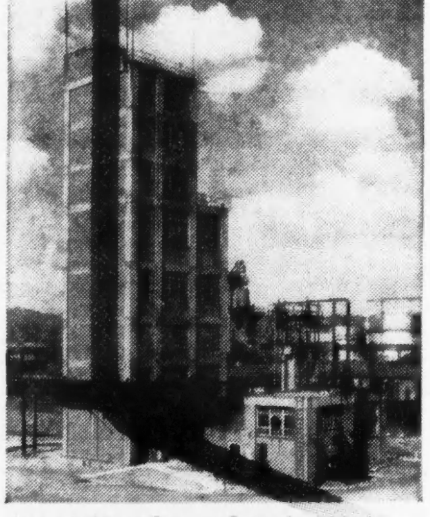
INDUSTRIAL

CHEMICALS



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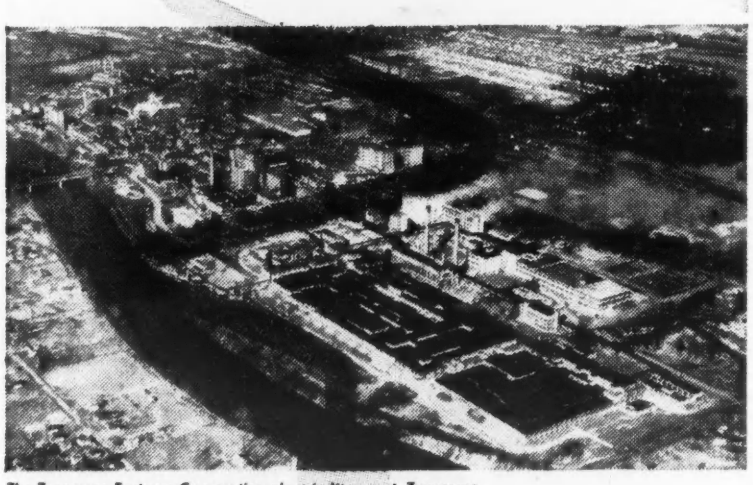

The Tennessee Eastman Corporation plant in Kingsport, Tennessee.

Tennessee Eastman Corporation

(Subsidiary of Eastman Kodak Company)

KINGSPORT, TENNESSEE

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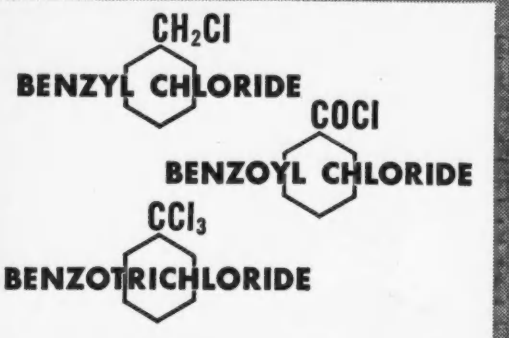
Lime, agricultural, bgs., works ..ton.13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hallow, Pa.....ton. 9.50 - —
Farnams, Mass. .....ton. 9.00 - —
Gibsonburg, Ohio.....ton. 8.50 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 9.75 - —
Knoxville, Tenn.....ton. 9.75 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.75 - —
Martinsburg, W. Va..ton.10.00 - —
Menominee, Mich.....ton. 8.00 - —
Mitchell, Ind.....ton. 7.50 - —
Rockland, Maine....ton. 9.00 - —
Scioto, Ohio.....ton. 6.50 - —
Sherwood, Tenn.....ton.10.00 - —
Sherwood, Wis. .....ton. 8.50 - —
Woodville, Ohio.....ton. 9.50 - —
York, Pa.....ton.10.00 - —
Hydrated, paper bgs., Adams, Mass..ton.11.50 - —
Annville, Pa.....ton.13.50 - —
Bellefonte, Pa.....ton.13.50 - —
Buffalo, N. Y.....ton.13.50 - —
Carey, Ohio.....ton. 9.00 - —
Cedar Hollow, Pa.....ton.11.50 - —
Engle, W. Va.....ton.13.00 - —
Farnams, Mass.....ton.11.50 - —
Gibsonburg, Ohio.....ton. 9.50 - —
Hannibal, Mo.....ton. 9.50 - —
Keystone, Ala.....ton.13.00 - —
Knoxville, Tenn.....ton.12.25 - —
Limedale, Ark.....ton.10.50 - —
Longview, Ala.....ton.13.00 - —
Manistique, Mich. ....ton. 9.50 - —
Marblehead, Ohio. ....ton.10.50 - —
Mitchell, Ind.....ton.10.00 - —
Petoskey, Mich.....ton.10.00 - —
Port Island, Mich.....ton. 9.00 - —
Rapid City, S. Dak....ton.12.00 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton.13.00 - —
Sherwood, Wis. .....ton.10.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodyville, Ohio .....ton. 8.50 - —
York, Pa .....ton.13.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa.....ton.13.50 - —
Bellefonte, Pa.....ton.13.50 - —
Carey, Ohio.....ton.11.00 - —
Engle, W. Va.....ton.13.00 - —
Farnams, Mass. .....ton. 9.50 - —
Gibsonburg, Ohio ....ton.10.00 - —
Marblehead, Ohio ....ton.10.00 - —
Rockland, Me. .....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio .....ton.10.00 - —
York, Pa .....ton.13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works....ton. 3.50 - 4.00
Linalool, ex bois de rose.....lb. 4.50 - 6.85
ex lignaloe wood .....lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots..lb. 4.35 - 7.20
ex petitgrain, bots.....lb. 4.25 - 6.00
Linden flowers with leaves, bls....lb. .25 - .27
without leaves, bls.....lb. .24 - .26
Linseed meal, 34% bulk, Midwest mills..ton.58.50 -59.00
Litharge, com'l. powd., bbls., c.l., ship't point, frt. alld..lb. .16¾- —
l.c.l., same basis.....lb. .17¾- —
Lithium benzoate, dms.....lb. 1.65 - —
Bromide, NF, bbls., works, frt. equald lb. 1.90 - —
Carbonate, NF, bbls., kgs.....lb. 1.10 - 1.15
Chloride, dms.....lb. 1.00 - —
Citrate, NF, bbls., dms., kgs..lb. 1.25 - —
Fluoride, bbls.....lb. 1.95 - —
Hydroxide, dms.....lb. 1.10 - —
Salicylate, dms.....lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., ship't point..lb. .06¼- —
l.c.l., same basis .....lb. .06½- .06⅝
Titanated (high-strength), bgs., c.l. lb. .08¼- —
smaller lots .....lb. .08½- —
Lithopone prices, Pacific Coast, ¾c. per lb higher.
Liverwort leaves, bls. .....lb. .85 - .90
Lobelia herb, bls .....lb. .65 - .70
leaves, NF .....lb. .85 - 1.00
Lobeline sulphate, bots., works ..oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. .....lb. .38½- —
No. 2, bbls., l.c.l., .....lb. .36½- —
liquid, No. 1, bbls., l.c.l.....lb. .18½- —
No. 2, bbls., l.c.l.....lb. .17½- —
No. 3, bbls., l.c.l.....lb. .17 - —
No. 4, bbls., l.c.l.....lb. .16½- —
solid, No. 1, bxs., l.c.l.....lb. .33 - —
No. 2, bxs., l.c.l.....lb. .31 - —
No. 3, bxs., l.c.l.....lb. .28½- —
No. 4, bxs., l.c.l.....lb. .28 - —
No. 5, bxs., l.c.l.....lb. .26½- —
No. 6, bxs., l.c.l.....lb. .44½- .49½
Lovage root, imp., bls.....lb. 1.20 Nom.
Lupulin, tins .....lb. 1.95 - 2.00
Lycopodium, cs .....lb. 1.90 - 2.50
Lysine hydrochloride, dextro-laevo. kilo.145.00 -149.00

## M

Mace, Amboyna, bls .....lb. .72 - .73
Banda, No. 1, bls .....lb. .90 - .91
Siauw, No. 1, bls .....lb. .78 - .79
West Indian, bls .....lb. .72 - .73
broken, bls. .....lb. .65 - .66
Madder, Dutch, bgs .....lb. .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - —
USP, light ctns.....lb. .34 - —
heavy, bbls .....lb. .36 - —
Magnesium arsenate, bgs., cans, works..lb. .20 - .30
Bromide, jars .....lb. .90 - 1.00
Carbonate, tech., bgs., c.f., frt. equald lb. .09 - —
l.c.l., frt. alld. .....lb. .10 - —
bbls., c.l., frt. equald.....lb. .10¼- —
l.c.l., frt. alld. .....lb. .11¼- —
kgs., c.l., frt. equald .....lb. .11½- —
l.c.l., frt. alld. .....lb. .12½- —
USP, bgs., c.l., frt. equald..lb. .10¾- —
l.c.l., frt. alld. .....lb. .11¾- —
bbls., c.l., frt. equald.....lb. .11¼- —
l.c.l., frt. alld. .....lb. .12¼- —
kgs., c.l., frt. equald.....lb. .12½- —
l.c.l., frt. alld. .....lb. .13½- —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.
Chloride, anhyd., bbls., works lb. .12¼- —
flake, bbls. c.l., works.....ton.40.00 - —
l.c.l., works.....ton.44.00 -46.00
Glycerophosphate, dms., works lb. 4.85 - —
Magnesium hydroxide, NF, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, dms. .....lb. 1.60 - —
Laurate, bbls .....lb. .46 - .47
Metal, 98.8% ingots, cs., works lb. .20½- —
sticks, cs.....lb. .34 - .38
Oleate, precip., bbls.....lb. .40½- —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works ...lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. ..lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works.....lb. .09 - .09½
Stearate, ctns., c.l .....lb. .35 - —
smaller lots .....lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots..lb. .43 - —
100-lb. lots .....lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton.67.50 - —
dead-burnt, bulk, c.l., Chewalah, Wash..ton.30.50 - —
Maleic anhydride, dms., c.l.....lb. .30 - —
l.c.l. .....lb. .31 - —
Malva flowers, black, bls.....lb. 1.45 - 1.75
Blue, bls. .....lb. .95 - 1.10
Leaves, bls .....lb. .40 - .42
Manaca root, bls .....lb. .49 - .50
Mandrake root, bls .....lb. .46 - .55
Manganese acetate, bbls. .....lb. .32 - —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls .....lb. .23 - —
Carbonate, bbls .....lb. .19 - —
Chloride, anhyd., dms., works lb. .24 - —
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works. ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works..ton.71.75 - —
l.c.l., works .....ton.74.75 -79.79
paper bgs., c.l., works..ton.70.00 - —
l.c.l., works .....ton.73.00 - —
85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works...ton.77.00 -82.00
Manganese glycerophosphate, NF, fib. dms. .....lb. 4.15 - 4.25
Hydrate, bbls., dlvd .....lb. .26 - —
Hypophosphite, NF, dms .....lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs. dlvd. East .....lb. .30 .32
Naphthenate, liquid, 6% Mn, dms., frt. allo. to. .22¾ - .23¼
Oleate, fused, bbls .....lb. .44¾- —
Resinate, fused, 3½% Mn, dms. lb. .20 - —
precip., dms. .....lb. .22½- —
Stearate, ctns., c.l. .....lb. .33 - —
smaller lots .....lb. .36 - .37
Sulphate, fertilizer grade 65%, bgs., c.l., dlvd. S. E. ton.60.00 - —
l.c.l., dlvd. S. E. ton.67.00 - —
feed grade, 80%, bgs., dlvd. S. E. lb. .05¼- .07
75%, bgs, c.l., dlvd. S. E ton.68.50 - —
l.c.l., dlvd. S. E. .....ton.75.50 - —
Tallate, liquid, 4% Mn. dms ...lb. No prices.
solid, 8% Mn. dms .....lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton.72.00 Nom.
Manna, flake, large, cs.....lb. 1.25 - 1.35
small, cs. .....lb. .95 - 1.10
Mannitol, com'l, dms., works.....lb. .40 - .43
reagent, 50-lb. dms., works....lb. .85 - —
Marjoram, Argentine, bls .....lb. .14 Nom.
Chilean, bls. .....lb. .17½- .18
French, bls .....lb. .32 - .33
Matico leaves, bls .....lb. .23 .28
Menadione, USP, bots., works gram. .10 —
Menthol, natural, USP, Brazilian, lb. 8.60 - 8.80
synthetic, tech., cns .....lb. 6.00 6.40
USP, laevo, cns .....lb. 8.60 - 9.25
Menthyl salicylate, tins .....lb. 4.25 - 4.35
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots .lb. .27 - —
less ton lots, same basis lb. .29 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms .....lb. 2.13 2.18
Chloride (see Calomel).
Cyanide, NF, cryst., powd.....lb. 3.27 - 3.32
Iodide, red, NF, dms .....lb. 4.32 - —
Yellow, NF, fib. dms .....lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate), yellow, tech. (see Yellow, mercury oxide).
NF, fib. dms .....lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd...lb. .13 - —
l.c.l., dlvd .....lb. .13½- —
tanks, dlvd .....lb. .11½- —
Metaldehyde, dms., works .....lb. .78 - —
Metachloranilin, dms., works ...lb. .75 - —
Metacresol, 98%, dms., c.l., works.lb. .55 - .80
l.c.l. .....lb. .56 - —
80-82%, dms., works.....lb. .35 - —
70-75%, dms., works.....lb. .30 - —
Metaparaisopropylphenol, dms., c.l. .....lb. .21 - —
l.c.l. .....lb. .22 - —
tanks .....lb. .20 - —
Metanitroparatoluidin, bbls.....lb. 1.28 - 1.33
Metaphenylenediamine, kgs .....lb. .76 - —
Metatoluidine, bbls., works .....lb. .80 - —
Metatolylenediamine, kgs .....lb. .85 - —
Methanol, natural, cms., c.l., frt. alld gal. .74 - .80
l.c.l., frt. alld .....gal. .77 - .85
tanks, frt. alld .....gal. .66 .70
Prices on natural methanol W. of Miss. 3c. higher.


HEYDEN CHLORINATED AROMATICS

PUT THE PLUS IN YOUR PROCESS...




As solvents and intermediates in the manufacture of pharmaceuticals, dyes, fungicides and organic chemicals, Heyden Chlorinated Aromatics are valuable to many processes and products. The following chart indicates the extensive range they cover.

| CHLORINATED Benzaldehydes | CHLORINATED Benzyl Chlorides | CHLORINATED Benzoyl Chlorides | CHLORINATED Benzotrichlorides | CHLORINATED Toluenes | CHLORINATED Benzoic Acids |
|---|---|---|---|---|---|
| Ortho Chlor Benzaldehyde Assay: 98.0% Containers: Glass carboys | Ortho Chlor Benzyl Chloride Assay: 98.0% Containers: Glass carboys | Ortho Chlor Benzoyl Chloride Assay: 95.0% Containers: Glass carboys | Ortho Chlor Benzotrichloride Assay: 98.0% Containers: Glass carboys | Ortho Chlor Toluene Assay: 99.0% Containers: Glass carboys or iron drums | Ortho Chlor Benzoic Acid, Technical Assay: 97.0% Containers: Wooden barrels |
| Para Chlor Benzaldehyde Assay: 98.0% Containers: Fiber drums | Para Chlor Benzyl Chloride Assay: 97.0% Containers: Glass carboys | Para Chlor Benzoyl Chloride Assay: 98.0% Containers: Glass carboys | Para Chlor Benzotrichloride Assay: 98.0% Containers: Glass carboys | Para Chlor Toluene Assay: 97.0% Containers: Glass carboys or iron drums | Para Chlor Benzoic Acid, Technical Assay: 97.0% Containers: Wooden barrels |
| 2,4-Dichlor Benzaldehyde Assay: 97.0% Containers: Fiber drums | 2,4-Dichlor Benzyl Chloride Assay: 97.0% Containers: Glass carboys | 2,4-Dichlor Benzoyl Chloride Assay: 98.0% Containers: Glass carboys | 2,4-Dichlor Benzotrichloride Assay: 98.0% Containers: Fiber drums | 2,4-Dichlor Toluene Assay: 99.0% Containers: Glass carboys or iron drums | 2,4-Dichlor Benzoic Acid, Technical Assay: 97.0% Containers: Wooden barrels |
| 3,4-Dichlor Benzaldehyde Assay: 96.0% Containers: Fiber drums | 3,4-Dichlor Benzyl Chloride Assay: 96.0% Containers: Glass carboys | 3,4-Dichlor Benzoyl Chloride Assay: 95.0% Containers: Glass carboys | 3,4-Dichlor Benzotrichloride Assay: 96.0% Containers: Glass carboys | 3,4-Dichlor Toluene Assay: 97.0% Containers: Glass carboys or iron drums | 3,4-Dichlor Benzoic Acid, Technical Assay: 97.0% Containers: Wooden barrels |

*Technical literature and samples will be mailed promptly upon request on Company letterhead.*

FINE HEYDEN CHEMICALS

*Serving Industry Through Finer Chemicals*

Benzaldehyde • Benzoates • Benzoic Acid • Benzyl Chloride • Bromides
Chlorinated Aromatics • Chlorobenzenes • Creosotes • Formates • Formaldehyde
Formic Acid • Glycerophosphates • Guaiacols • Hexamethylenetetramine
M. D. A. (Methylene Disalicylic Acid) • Paraformaldehyde • Parahydroxybenzoates
Penicillin • Pentaerythritols • Salicylates • Salicylic Acid • Streptomycin

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HEYDEN CHEMICAL CORPORATION
393 SEVENTH AVE., NEW YORK 1, N. Y.
CHICAGO 6: 20 North Wacker Drive
PHILADELPHIA 3: 1700 Walnut Street
SAN FRANCISCO 11: 420 Market Street

## Methanol, Synthetic—Naphthalene

Methanol, synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal. .40 - —
l.c.l., frt. alld. gal. .43 - —
tanks, frt. alld. gal. .28 - —
zone 2, dms., l.c.l., frt. alld. gal. .47 - —
l.c.l., ex whse. gal. .49½- —
tanks, frt. alld. gal. .33 - —

Synthetic methanol zones are: Zones 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Texas production. Midwest and Gulf states, dms., c.l., works, frt. alld. gal. .37½- —
tanks, frt. alld. gal. .27
West of Rockies, dms., c.l., frt. alld. gal. .45 - —
tanks, frt. alld. gal. .33 —

Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., works, 50-lb. or more lb. 7.25 - —
1 to 49-lb. lots, works lb. 8.75 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼- —
l.c.l., same basis lb. .17¾- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetate, dms., c.l., dlvd., N. Y. lb .08 - —
l.c.l., same basis lb. .08½- —
Methyl acetoacetate, dms., c.l., works lb. .49½- —
l.c.l., same basis lb. .50 - —
tanks, works lb. .48 - —

Methyl acetoacetate prices frt. alld. W., ½c. higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld. gal. .50 - .60
l.c.l., same basis gal. .57 - .67

Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.

Group B. dms., incl., E. Miss., frt. alld., any quantity gal. .50 - .60

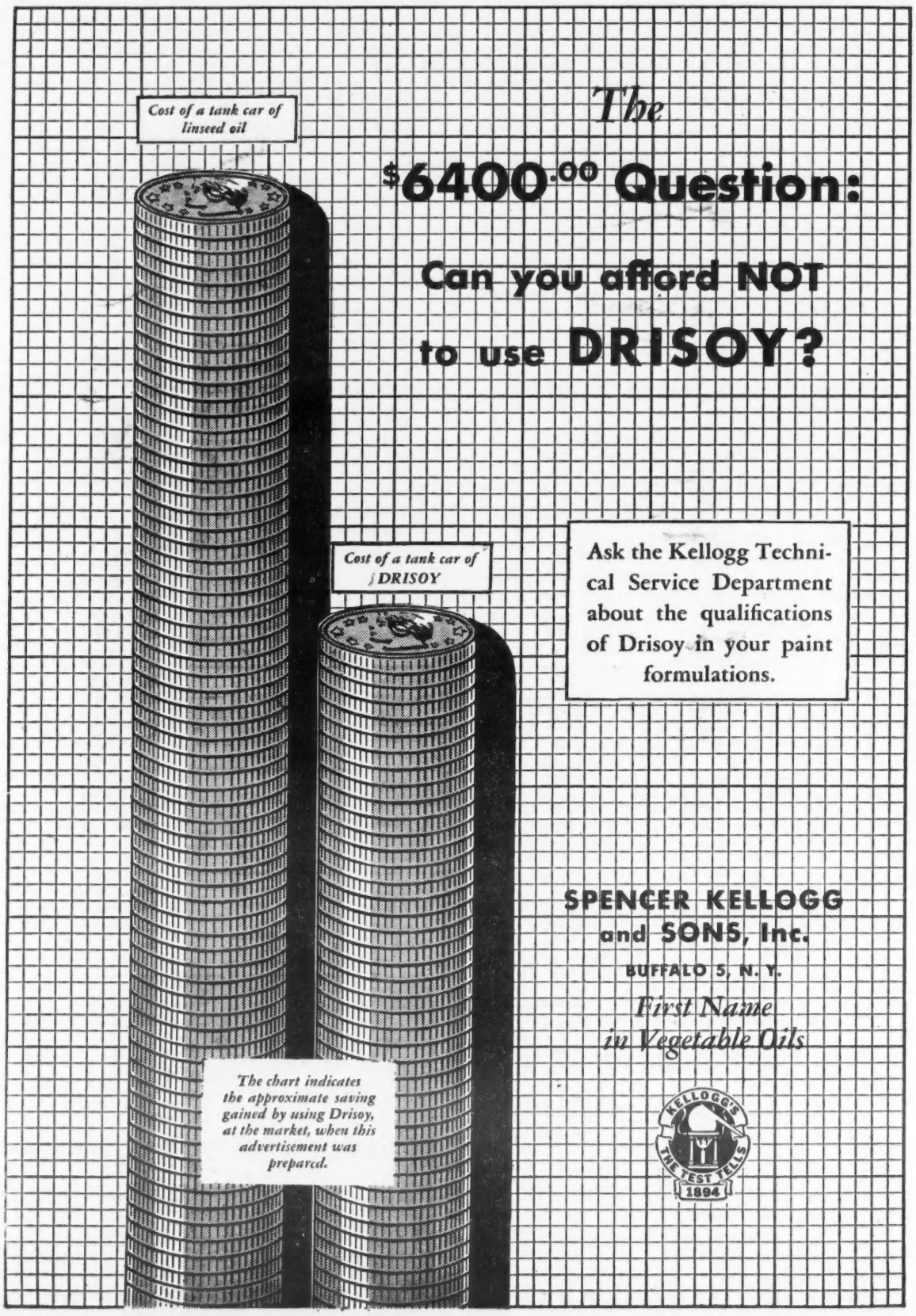
synthetic, dms., c.l., works, frt. alld. E. gal. .61½- —
frt. alld. W. gal. .64 - —
l.c.l., works, frt. alld. E. gal. .65 - —
frt. alld. W. gal. .68½- —
tanks, works, frt. alld. E. gal. .52 - —
frt. alld. W. gal. .55½- —

Methyl acetone, synth., East. territory, is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, 500 lbs. or more lb. 2.10 - —
smaller lots lb. 2.20 - 3.00
Benzoate, cns lb. .55 - 1.20
Bromide, dealers, cns lb. .69 - .71
cyls. lb. .60 - .78
Chloride, indust., cyl., works lb. .17 - —
tanks, multi-unit, works lb. .13 - —
single-unit, works lb. .10½- —
refrigerator mfrs., cyls., dlvd lb. .34 - —
other consumers or service men, cyls., dlvd lb. .42 - —
Cinnamate, cns. lb. 1.48 - 1.65
Formate, dms. lb. .89 - —
Methyl heptin carbonate, bots. lb. 36.00 - 38.00
Iodide, bots., cbys lb. 3.00 - 4.85
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, M-1, dms., works lb. .45 - —
cns, works lb. .48 - .58
P-1, cns., works lb. .60 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Roseanilin chloride, USP, bots. lb. 5.15 - 5.30
Salicylate, USP, dms., 500 lbs. lb. .40 - —
25-50 lbs. lb. .45 - —
Testerone, USP, 100 gms. gm. 3.75 - —
Methylal, refined, 95%, dms., c.l. lb. .06 - —
l.c.l., works lb. .07 - —
tanks, works lb. .04½- —
Methylamyl acetate, dms., c.l., dlvd. lb. .14½- —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .13 - —
Ketone, dms., works lb. .70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 - .80
standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld. lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb. 2.87 - —
smaller lots, kgs., same basis lb. 3.02 - 3.22
Chloride, indust., dms., c.l., dlvd. E lb. .12½- —
l.c.l., dlvd. E lb. .13½- —
tanks, dlvd. E lb. .11½- —
Methylethyl ketone, dms., dlvd. lb. .11½- —
l.c.l., dlvd. lb. .12 - —
tanks, dlvd. lb. .10 - —
Methylhexyl ketone, tech., dms., works lb. .60 - —
Methylionone, A, cns. lb. 6.55 - 8.00
D, cns. lb. 7.50 - 9.25
prime, cns. lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd. lb. .14 - —
l.c.l., dlvd. lb. .14½- —
tanks, dlvd. lb. .12½- —
Methylnaphthyl ketone, cns. lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol, dms., works, dlvd. lb. .16½- —
l.c.l., works, dlvd. lb. .17 - —
tanks, works, dlvd. lb. .15 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03⅜- —
roofing, 20 to 80 mesh, works lb. .03⅛- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
extra fine, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
rubber, bgs., c.l., works, frt. alld. E lb. .06¾- —
l.c.l., ex whse. or frt. alld. E lb. .07½- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
white, extra fine, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l. lb. .10½- .12¾
spray, bbls., c.l. lb. .11 - .13¾
Whole, roller, bbls., c.l. lb. .28 - .34¾
spray, bbls., c.l. lb. .30 - .35¾
Sugar, crude, bgs., c.l., works lb. .17 - —
edible, bbls., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. .24¾- —
200-1,800-lb. lots lb. .25¼- —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾- —
200-1,800-lb. lots lb. .27¼- —
Molasses, blackstrap, tanks gal. .04 - .14
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 90% Mo., powd., kgs. lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. equald lb. .06½- .08
l.c.l., works lb. .07 - .09
smaller containers, works lb. .09 - .12
tanks, works, frt. equald lb. .06 - .06¾
Monoethanolamine, dms., c.l., frt. alld. E lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25½- —
Monoethylamine, dms., c.l., works, basis 100% lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
Monomethylamine, 25%-40%, dms., c.l., same basis lb. .35 - —
l.c.l., same basis lb. .36 - —
tanks, same basis lb. .31 - —
Monomethylanilin, dms., works lb. .70 - —
Monononylnaphthalene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks lb. .13 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns. oz. 12.35 - 12.40
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - —
Hydrochloride, NF, cns oz. 9.90 - —
Sulphate, USP, cns oz. 9.90 - —
Morpholine, dms., c.l., works lb. .59½- —
l.c.l., works lb. .60 - —
tanks, works lb. .58 - —
smaller containers, works lb. .75 - —
Mountain ash berries, bgs lb. .75 - .76
Mullein flowers, cs. lb. 1.25 - 1.30
Leaves, bls. lb. .12 - .13
Musk, nat., Tonquin, grains, bots. oz. 25.00 - 30.00
synthetic—Ambrette, 100 lbs. lb. 5.40 - —
25 lbs. lb. 5.50 - —
5 lbs. lb. 5.65 - —
Ketone, 100 lbs. lb. 4.95 - —
25 lbs. lb. 5.05 - —
5 lbs lb. 5.20 - —
Xylol, 100 lbs. lb. 1.60 - —
25 lbs. lb. 1.70 - —
5 lbs lb. 1.85 - —
Musk root, bls lb. No prices.
Mustard seed, Calif., brown lb. .22 - .23
Danish, bgs. lb. .15 - .15½
Dutch, yellow, bgs lb. .15 - .15½
English, yellow, bgs lb. .14 - .14½
Montana, brown, bgs., source lb. .06¼- .06½
Oriental, bgs., source lb. .05¼- .05½
yellow, bgs., source lb. .10¾- .11
Washington, yellow, source, bgs lb. .11 - .11½
Myrobalans, J1, assorted, ex dock. ton. 61.00 - 62.00
J2, ex dock ton. 53.00 - 54.00

## N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald lb. .06½- .07
tanks, same basis lb. .06 - —
78°, bgs., c.l., works, frt. equald lb. .07 - .07¼
l.c.l., same basis lb. .07¼- —
bbls., c.l., same basis lb. .07¼- —
l.c.l., same basis lb. .07¾- —
dms., c.l., same basis lb. .07½- —
l.c.l., same basis lb. .08 - —
tanks, same basis lb. .065 - —
refined, industrial, bbls., c.l., frt. equald lb. .12 - —
bgs., c.l., same basis lb. .11½- —
tanks, same basis lb. .11 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis lb. .14 - —
bbls., c.l., same basis. lb. .13¾- —
1-lb. pkgs., c.l., same basis lb. .15¼- —



Cost of a tank car of linseed oil
Cost of a tank car of DRISOY
The chart indicates the approximate saving gained by using Drisoy, at the market, when this advertisement was prepared.

The $6400.00 Question:

Can you afford NOT to use DRISOY?

Ask the Kellogg Technical Service Department about the qualifications of Drisoy in your paint formulations.

SPENCER KELLOGG and SONS, Inc.
BUFFALO 5, N. Y.
First Name in Vegetable Oils

KELLOGG'S THE TEST TELLS 1894

Neocinchophen, USP, dms., works lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y. .ton.14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. .ton.18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns .lb. 2.00 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd. .lb. .50 - —
Carbonate, bbls., dlvd. .lb. .48 - .50
Chloride, bbls., dlvd. .lb. .23 - —
Cyanide, bots., dms. .lb. 1.75 - 2.00
Formate, bbls., ton lots, dlvd. .lb. .43½ - —
Metal, electro cathodes, cs. .lb. .40 - —
Nitrate, bbls., works .lb. .24½ - .25½
Oxide, black, bbls. .lb. .42 - —
Sulphate, bgs., c.l., dlvd. .lb. .18 - —
l.c.l., dlvd. .lb. .18½ - —
Nicotinamide, USP, dms., works .kilo.11.00 -11.30
Hydrochloride, dms., works .kilo.10.50 -10.80
Nicotine sulphate, 40%, 56 lb. dms., dealers, frt. alld. over 50 lbs. dm.53.63 - —
tins, 10 lbs., dealers, frt. alld. on cases of 6 .tin.11.80 - —
Nikethamide, bots., cbys. .lb. 5.50 - 6.60
Nitercake, bulk, works .ton. No stocks.
Nitrobenzene, dbl. dist., dms., c.l. .lb. .09 - .09½
l.c.l. .lb. .10 - .11
tanks .lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight .lb. .28 - —
l.c.l., same basis .lb. .29 - .31
18-25 cps., bbls., c.l., same basis .lb. .30 - —
l.c.l., same basis .lb. .31 - .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis .lb. .32 - —
l.c.l., same basis .lb. .33 - .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis .lb. .33 - —
l.c.l., same basis .lb. .34 - .36
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., works .lb. .30 - —
Nitrogen solution, tanks, works, N. ton.120.00 -137.16
Nitrogenous process tankage, bulk, works, ammo. .unit-ton. 3.50 - 4.00
Sewage sludge, bulk, works, unit ton. 3.25 + .40
Nitromethane, dms., l.c.l., works .lb. .30 - —
Nitropropane, 1, dms., works .lb. .30 - —
2, dms., works .lb. .30 - —
Nutgalls, Aleppo, bgs. .lb. .50 - —
Chinese, bgs. .lb. .40 - —
Istrian, bgs .lb. .29 - —
Nutmeg, East Indian, bgs .lb. .40 - .41
futures, bgs. .lb. .39 - .40
West Indian, bgs .lb. .35 - .35½
futures .lb. .34 - .34½
Nux vomica, bls .lb. .08 - .09
powdered, bbls., bxs .lb. .11 - .12

## O

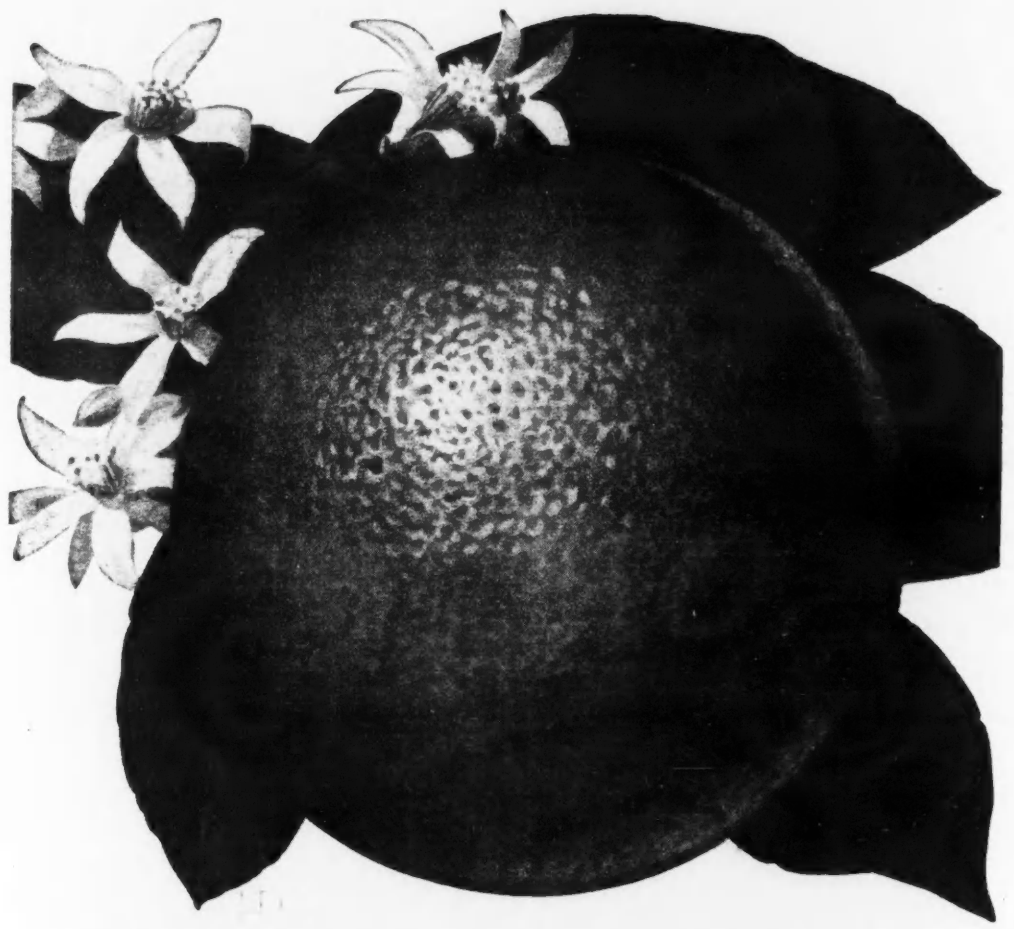
Oakbark extract, 25% tannin, bbls., c.l., works .lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. .gal. .19 - —
l.c.l. .gal. .21 - .60
tanks .gal. .15½ - —
10° C, Bayonne, N. J., tanks .gal. .16 - —
Octanol (see Alcohol, ethylhexyl).
Oil, abies siberica, cns .lb. 2.50 - 3.10
Almond, artificial, bitter, (see Benzaldehyde).
natural, bitter, F.P.A., bots. .lb. 4.45 - 5.00
USP, bots. .lb. 4.50 - 4.90
Sweet, dms., cns .lb. .80 - .95
Angelica root, bots .lb.120.00 -190.00
Seed, bots .lb.80.00 -100.00
Anilin (see A).
Anise, USP, Chinese, dms. .lb. .75 - 1.00
Russian, cns .lb. 3.50 - 3.75
Apricot kernel, tech. (see Oil, persic).
USP (see Oil, persic).
Avocado, cns., dms .lb. 1.00 - 1.10
Babassu, crude, tankcars .lb. .18 Nom.
Bay, NF, Puerto Rican, 50-55%, cns. .lb. 1.20 - 1.50
55-60%, cns .lb. 1.20 - 1.95
60-65%, cns .lb. 2.50 - —
West Indian, 50-55%, cns. .lb. 1.20 - 1.65
Bergamot, artif., cns .lb. 2.50 - 4.25
natural, Italian, cns .lb. 3.95 - 4.60
Birch (see Oil, sweet birch).
Birchtar, crude, cns .lb. .95 - 1.76
rectified, cns. .lb. 4.25 - —
Bois de rose, Brazil, cns .lb. 2.75 - 4.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works .gal. .65 - .70
Cajeput, tech., dms .lb. 1.70 - 2.00
redistilled, USP, cns .lb. 2.20 - 4.50
Calamus, cns .lb.20.00 -28.00
Camphor, natural, white, cns. .lb. .40 - .50
dms. .lb. .30 - .40
Cananga, native, cns .lb. 2.00 - 2.55
rectified, cns. .lb. 2.90 - 3.65
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns .lb. 5.00 - 6.50
Cardamom, NF, bots .lb.42.00 -45.00
Cassia, USP, cns .lb. 1.80 - 2.50
Castor, blown, dms., c.l. .lb. .21½ - —
dms., l.c.l. .lb. .22 - —
standard, USP, dms., c.l. .lb. .19½ - —
l.c.l. .lb. .20 - —
tanks .lb. .18½ - —
refined and deodorized, dms., c.l. .lb. .21 - —
dms., l.c.l. .lb. .21½ - —
tankcars .lb. .20 - —
dehydrated, bodied, dms., c.l. .lb. .23¼ - —
l.c.l. .lb. .23¾ - —
tanks .lb. .22¼ - —
unbodied, dms., c.l. .lb. .22¼ - —
l.c.l. .lb. .22¾ - —
tanks .lb. .21¼ - —
hydrogenated, dms., c.l., works. .lb. .30 - —
l.c.l., same basis .lb. .31 - —
No. 3, tech., dms., c.l. .lb. .18½ - —
l.c.l. .lb. .19 - —
tanks .lb. .17½ - —
sulphonated, 50% (48% fat), dms. .lb. .12 - .12½
75% (60-62% fat) dms. .lb. .18 - .18½
Cedarleaf, USP, cns., dms. .lb. 1.95 - 2.85
Cedarwood, cns. .lb. .45 - .55
dms. .lb. .45 - .55
Celeryseed, bots .lb. .35 - .50
Chaulmoogra, NF, cns., dms. .lb. 14.00 -16.50
Chinawood (see Oil, tung).
Cinnamon bark, bots .lb.33.00 -73.00
Leaf, Ceylon .lb. 1.50 - 1.75
Seychelle .lb. 1.20 - —
Citronella, Ceylon, cns .lb. .75 - 1.03
Java type, cns .lb. 1.25 - 1.55
Clove, USP, from Madagascar buds, cns., dms. .lb. 1.25 - 1.55
from Zanzibar buds, cns .lb. 1.60 - 1.90
Coconut, crude, tanks, Atlantic ports .lb. .15 - —
Pac. coast .lb. .14 - —
refined, Cochin type, tax incl., dms., l.c.l. .lb. .21 - —
deodorized, tax incl., dms., l.c.l. .lb. .23 - —

Oil, cod, Newfoundland, dms. .lb. .20 - .22
Codliver, USP, dms .gal. 2.40 - 2.45
Coriander, bots .lb.31.00 -35.00
Corn, crude, tanks, works .lb. .11 - —
foots, acid, 95%, tanks, dlvd. E .lb. .03 Nom.
raw, 50%, tanks, dlvd. E .lb. .01½ Nom.
refined, tanks, mills .lb. .13½ - .13¾
dms., New York .lb. .16 - —
Costus, bots. .oz.30.00 - —
Cottonseed, crude, tanks, works .lb. .10¾ - .11
foots, acid 95%, tanks, dlvd. E .lb. .03 Nom.
raw, 50%, tanks, dlvd. E .lb. .01½ Nom.
refined, dms. .lb. .16½ - —
tankcars .lb. .14½ - .15
Creosote (see Creosote, coaltar)
Croton, NF, cns .lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns .lb. 7.00 -10.00
Cumin, bots. .lb. 6.25 -11.50
Cypress, bots .lb.11.00 -15.00
Degras (see D).
Dillseed, bots .lb. 9.00 - 9.50
Dillweed, bots .lb. 8.25 - 9.50
Dip (see D).
Erigeron, cns .lb. 5.00 - 5.25
Eucalyptus, rectified, USP, 80-90%, cns .lb. .75 - 1.45
70-80%, cns. .lb. .65 - 1.30
Fennel, sweet, cns .lb. 2.75 - 3.00
Fir, Canada, cns .lb. 1.90 - 2.35
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms. 1,000,000 units. .24½ - —
20,000 to 80,000 A units, dms. 1,000,000 units. .29 - .34
pharmaceutical, 50,000 to 125,000 A units, dms. 1,000,000 units. .33 - .50
pharmaceutical or food, 200,000 A units, dms. 1,000,000 units. .43 - —
concentrate, 100,000 A units, dms. 1,000,000 units. .40 - —

Oil, fishliver, concentrate, 200,000 A units, dms. 1,000,000 units. .43 - —
300,000 A units, dms. 1,000,000 units. .46 - —
400,000 A units, dms. 1,000,000 units. .47 - —
500,000 A units, dms. 1,000,000 units. .50 - —
1,000,000 A units, dms. 1,000,000 units. .55 - —
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots .oz. 9.25 - 9.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns .lb. 9.50 -12.00
Bourbon, cns. .lb.10.50 -11.75
Turkish (see Oil, palmarosa).
Ginger, dist., bots .lb.10.25 -13.50
Grapefruit .lb. .85 - 1.25
Grease, No. 1, dms .lb. .10¾ - .11¼
extra, winter, strained, dms. .lb. .11¾ - .12¼
prime, burning, dms. .lb. .13 - .13½
Guaiacwood, cns. .lb. 1.85 - 2.15
Hemlock, cns. .lb. 1.95 - 2.75
Herring, crude, tanks, Pac. coast. .lb. No prices.
Juniper berry, NF VIII, bots. .lb. 3.00 - 7.00
twice rectified .lb. 4.75 - 5.00
Tar, USP (see Juniper tar).
Wood, tech., cns .lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots. .lb. 9.75 -12.50
Lavandin, cns. .lb. 1.40 - 3.75
Lavender flower, French, 38-42% ester, cns .lb. 3.20 - 4.35
30-32% ester, cns .lb. 2.50 - 3.10
Spike, Spanish, cns .lb. .90 - 1.05
Lemon, USP, Calif. cns .lb. 2.75 - 3.00
Messina .lb. 2.75 - 5.00
terpeneless, bots .lb.32.00 -65.00
Lemongrass, cns., dms .lb. 1.60 - 1.90



Oil, lignaloe seed, Mexican, cns .lb. 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns .lb. 2.75 - 5.20
Lime, distilled, Mexican, cns. .lb. 4.25 - 5.00
West Indian, cns .lb. 4.50 - 6.00
expressed, West Indian, cns lb. 6.25 - 8.00
terpeneless, bot .lb.35.00 -53.00
Linseed, raw, dms., c.l. .lb. .2880 - —
l.c.l. .lb. .2940 - .2980
tankcars .lb. .2760 - —
tankwagon .lb. .2790 - —
Boiled linseed oil .007 higher than raw.
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks. gal. .285 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks gal. .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks gal. .18 - .19
145-155 vis., No. 3, color, 10-25 pour, tanks gal. .285 - —
Penna., W. cylinder, 600-680 flash, tanks gal. .33 - .38
600-650 steam refd., tanks. gal. .37 - —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks gal. .37 - .39
200 vis., 25 pour, tanks. gal. .39 - .41
South Texas, neutral, pale 200 vis., 2¼-4 pour, tanks. gal. .11 - .12
red, 200 vis., 4-6½ pour, tanks. gal. .11 - .12½
Mace, dist., cns., dms .lb. 4.00 - 5.35
Mandarin, Brazilian, cns. .lb. 4.25 - 8.40
Italian, cns .lb. 8.75 - 9.25

# THE WORLD'S FINEST ORANGE OIL

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Exchange
OIL OF
ORANGE
U. S. P.

## Oil, Menhaden—Orris Root

Oil, menhaden, crude, tanks, Balto . lb. .09 Nom.
refined, alkali, dms lb. .1620- .1660
kettle-bodied, dms lb. .1820- .1860
light-pressed, dms lb. .1520- .1560
tanks lb. .14 - —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard, synthetic, USP, cns lb. 1.40 - 1.70
Seed, expressed, dms lb. .23 - .23½
Neatsfoot, 15°, dms lb. .34 - —
20°, dms. lb. .33 - —
30°, dms. lb. .29 - —
Neroli, French, bots lb. 175.00 -390.00
Haitian bots lb. 175.00 -200.00
Niaouli, cns. lb. 2.75 - 3.25
Nutmeg, dist., East Indian, cns., dms lb. 4.00 - 5.35
West Indian, cns. dms lb. 4.25 - 4.65
Ocotea cymbarum, dms lb. .50 - .60
Oiticica, liquid, dms., c.l lb. .15¾ Nom.
l.c.l. lb. .15¾- .16
tanks lb. .15¾ Nom.
Oleo, oil, extra, trcs lb. .12 - —
Olibanum, bots lb. 4.50 - 6.25
extra fine lb. 6.25 -10.50
Olive, denat., dms gal. 3.25 - —
edible, Calif., dms lb. 3.85 Nom.
Spanish, dms., duty paid gal. 4.25 - 4.35
Moroccan, dms. same basis. gal. 4.00 - 4.10
foots, dms lb. .24½- .25
sulphonated, 50% (40% fat), dms., c.l lb. No stocks.
l.c.l. lb. No stocks.
75% (62% fat), dms., c.l lb. No stocks.
l.c.l. lb. No stocks.
Orange, sweet, natural, dist., cns., lb. .50 - 1.00
Oil, orange, expressed, USP, Brazilian, cns. lb. .80 - 1.25
Calif., cns. lb. .70 - 1.75
Florida, cns., dms lb. .55 - 1.00
Messina, coppers lb. 3.25 - 3.75
West Indian, cns lb. 2.25 - 3.75
sesquiterpeneless, bots lb. 55.00 -135.00
Origanum, Spanish, cs lb. 2.40 - 3.50
Palm, Congo, dms lb. .19½- .20
tankcars lb. .18 - —
Palmarosa, cns lb. 6.50 - 9.00
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale 100-110 vis. at 100° F. tanks, East Coast refinery gal. .11¼- —
Patchouli, dms lb. 6.00 - 7.25
Peach kernel, USP (see Oil, persic).
Peanut, crude, tanks, works lb. .12½- —
foots, acid, 95%, tanks, dlvd. E lb. .03 Nom.
raw, 50%, tanks, dlvd. E lb. .01½ Nom.
refined, tanks, dlvd. E lb. .16 - .16¼
drums lb. .17½- —
Pennyroyal, USP, dom., dms., cns lb. No stocks.
imported, cns. lb. 2.30 - 2.65
Peppermint, natural, dms lb. 6.00 - 7.95
redist., USP, dms lb. 6.40 - 8.30
Persic, USP, dms lb. .45 - .56
Perilla, crude, dms lb. No stocks.
Petitgrain, Paraguay, cns lb. 2.75 - 4.30
Pimento berry, dms lb. 4.25 - 6.00
leaf, cns lb. 1.50 - 1.75
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 - .69
l.c.l., works, South gal. .61 - .70
dms., incl., c.l., works, South lb. .07½- —
Oil, pine, dest.-dist., dms., l.c.l., works, South lb. .08 - —
ex whse., N. Y. C gal. .70 - —
ex whse., N. Y. C lb. .09½- —
tanks, works, South lb. .062 - —
tanks, works, South gal. .60 - —
steam-dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N. Y. C gal. .86 - —
Pineneedle, Siberian (See oil, abies siberica).
Putty, petroleum, heavy, dms gal. .18 - —
tankwagon gal. .13½- —
light, dms gal. .16½- —
tankwagon gal. .12½- —
Rapeseed, tankcars lb. .24 Nom.
Red, single dist., dms lb. .12½- .13½
tanks lb. .11¼- —
saponified, dms. lb. .11¾- .12¾
double dist., dms lb. .15 - .16
tanks lb. .13¾- —
Rose, natural, Bulgarian, coppers. oz. 25.00 -36.00
Rosemary, Spanish, tech., cns., dms lb. .75 - 1.50
USP, cns., dms lb. .90 - 1.60
Rosin, first rectified, dms gal. .66 - —
2d rectified, dms gal. .68 - —
3d rectified, dms gal. .78 - —
Rue, bots lb. 3.25 - 5.00
Sage, clary, bots lb. 14.50 -16.00
Dalmatian, cns. lb. 2.80 - 3.10
Spanish, cns. lb. 1.40 - 3.50
Sandalwood, NF, cns lb. 13.75 -16.60
Sardine, crude, tanks, Pac. coast. lb. .09 Nom.
refined, alkali, dms lb. .1620- .1660
kettle-bodied, dms lb. .1820- .1860
light-pressed, dms lb. .1520- .1560
tanks lb. .14 - —
Sassafras, artificial lb. .40 - .55
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms. lb. 1.80 - 2.30
Oil, savin, cns lb. 3.00 - 3.25
Savory, cns lb. 8.00 - —
Seal, No. 1, tanks, U. S. ports lb. No prices.
Sesame, tanks lb. No prices.
Shingle stain, bbls., c.l., works gal. .2185- —
l.c.l., works gal. .25 - .29
tanks, works gal. .15 - .16
Snakeroot, Canada, cns lb. 19.00 -19.25
Soybean, crude, tanks, mills lb. .10¾- .10¼
foots, acid, 95%, tanks, dlvd. E. lb. .03 Nom.
raw, 50%, tanks, dlvd. E lb. .01½ Nom.
refined, alkali, dms., c.l lb. .1455- —
l.c.l. lb. .1510- .1550
tanks lb. .1335- —
clarified, dms., c.l. lb. .1335- —
l.c.l. lb. .1390- .1430
tanks lb. .1215- —
edible, tankcars, dlvd. East lb. .13¾- —
drums lb. .15¼- —
Spearmint, dms lb. 3.95 - 4.75
Sperm, bleached winter 45° tankcars lb. .2150- —
drums lb. .2220- .2270
natural winter 45°, tankcars lb. .20 - —
drums lb. .21 - .21¼
Spruce, cns., dms lb. 1.95 - 2.75
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, Northern, cns lb. 5.00 - 8.00
Southern, cns. lb. 1.95 - 3.65
Tall, crude, tanks, works ton. 40.00 - —
refined, dms., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
tanks, works lb. .05¾- —
Tallow, acidless, dms lb. .10 - .10½
Tansy, cns. lb. 9.00 -14.00
Tar, pine, com'l, dms, incl., c.l., works, South gal. .41 - .43½
l.c.l., works, South gal. .43 - .45½
whse., N.Y.C. gal. .52¼- .54¼
tanks, works, South gal. .32 - .34½
rectified, NF, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see T).
Teaseed, dms lb. .24 - —
Theobroma (see Cocoa butter).
Thyme, NF, red, cns lb. 2.15 - 3.35
white, cns. lb. 2.40 - 3.80
technical, white, cns lb. .85 - 1.00
Tung, dom., tanks, mills lb. .19 Nom.
imported, dms., c.l. lb. .20½- —
l.c.l. lb. .21 - —
tanks lb. .19 - —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms lb. .35 - .55
Vetiver, Bourbon, cns lb. 11.75 -14.00
Java, cns lb. 10.40 -11.00
Haitian, cns lb. 10.50 -13.50
Whale, ref., natural, dms lb. No stocks.
Winter-bleached, dms lb. No stocks.
Wheat germ, dms gal. 10.00 -12.50
White mineral, tech., 50 vis., non-ret. dms., c.l., San Francisco gal. .51½- —
l.c.l., S.F. gal. .53½- .56½
50-65 vis., dms., c.l., N. Y gal. .49½- —
l.c.l., N. Y. gal. .52½- .56½
65-75 vis., dms., c.l., N. Y. gal. .49½- —
l.c.l., N. Y. gal. .52½- .56½
70 vis., non-ret. dms., c.l., S.F. gal. .51½- —
l.c.l., S. F. gal. .53½- .56½
USP, 80-90 vis., dms., c.l., N. Y. gal. .53 - —
l.c.l., N. Y gal. .56 - .60
85 vis., non-ret. dms., c.l., S. F. gal. .51½- —
l.c.l., S. F gal. .53½- .56½
100 vis., non-ret. dms., c.l., S. F. gal. .59 - —
l.c.l., S. F gal. .61 - .64
125-135 vis., dms., c.l., N. Y. gal. .61 - —
l.c.l., N. Y gal. .64 - .68
145 vis., non-ret. dms., c.l., S. F. gal. .68 - —
l.c.l., S. F gal. .70 - .73
145-155 vis., dms., c.l., N. Y. gal. .64 - —
l.c.l., N. Y gal. .67 - .71
175-185 vis., dms., c.l., N. Y. gal. .65½- —
l.c.l., N. Y gal. .68½- .72½
180 vis., non-ret. dms., c.l., S. F. gal. .70 - —
l.c.l., S. F gal. .72 - .75
200-210 vis., dms., c.l., N. Y. gal. .69 - —
l.c.l., N. Y gal. .72 - .76
335-345 vis., dms., c.l., N. Y. gal. .75 - —
l.c.l., N. Y gal. .78 - .82
340 vis., non-ret. dms., c.l., S. F. gal. .83 - —
l.c.l., S. F gal. .85 - .88
Wintergreen, nat., Northern, cns. lb. 8.75 -14.50
Southern, cns lb. 3.65 - 5.60
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns lb. 3.25 - 3.75
Wormwood, cns. lb. 6.65 -13.50
Ylang-ylang, Bourbon, extra, bots. lb. 12.00 -22.50
Bourbon, bots lb. 8.50 - 8.75
Madagascar, bots lb. 7.25 - 7.50
Olein, crude (see Oil, red).
white, low titre, dms lb. .15 - .16
tankcars lb. .13¾- —
Oleostearin, bbls. lb. .10 Nom.
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. ton. 10.00 - —
paper, bgs., c.l., works ton. 12.00 - —
Opium, USP, cns. lb. 19.20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd., USP, cns. lb. 21.65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.10 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .32 - —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport) 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Orange, chrome dinitroanilin toner lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld lb. .2110- —
Molybdate lb. .44 - —
Orange, Persian, bbls lb. .80 - .85
Orange flowers, bls lb. .40 - .46
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls lb. .14 - .15
Oregano, Mexican, bgs lb. .14½- .19
Portuguese, bgs lb. .20 - .20½
Sicilian, bgs lb. .15 - .19½
Orris root, Florentine, bls lb. .35 - .40
powdered, bbls., bxs lb. .45 - .50
Verona, bls lb. .11 - .13
powdered, bbls., bxs lb. .13 - .15

You just can't keep a customer's nose out of your business—because the sense of smell is a basic and important influence in his preferences for one product against another.

Felton chemists, with a wealth of research and experience in Industrial Aromatics and Deodorizing Agents, can supply you with the perfect perfumes or neutralizers for your products. All you have to do is send us a sample of what you make—so that we can make careful, individualized study of your requirements.

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Perfume Oils

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They'll sell better.

PLASTICS • LEATHERS
TEXTILES • PAINTS
INKS • PAPER
RUBBER ITEMS

| | | | |
|---|---|---|---|
| Orthoaminobiphenyl, dms., c.l., works | lb. | .32½- | — |
| l.c.l., same basis | lb. | .33 | — |
| tanks, same basis | lb. | .31 | — |
| Orthoamylphenol, dms., l.c.l., works | lb. | 42 | — |
| Orthoanisidin, bbls | lb. | 80 | — |
| Orthochloroanilin, dms., 10,000 lbs. or more | lb. | .60 | — |
| smaller lots | lb. | 62 | 67 |
| Orthochloroparanitroanilin, dms., works | lb. | .65½ | .81 |
| Orthochlorophenol, dms | lb. | 28 | — |
| Orthocresol, pure, 30°, dms., c.l., works, frt. equald | lb. | .23½-.24 | 1/20 |
| l.c.l., works | lb. | .24 | -.24 7/20 |
| tech., 29 -30°, dms., c.l., works | lb. | .22½-.23 | 1/20 |
| l.c.l., works | lb. | .23 | -.23 7/20 |
| 25 -27 , dms., c.l., works | lb. | .20½- | — |
| l.c.l., same basis | lb. | .21 | 1/10- |
| tanks, same basis | lb. | .19½- | — |
| Orthodichlorobenzene, cns., 50-lb 100-lb. | lb. | .12½- | — |
| | lb. | .11½- | — |
| dms., c.l., works, frt. alld. E. of Rockies | lb. | .08½- | — |
| l.c.l., same basis | lb. | .09½- | — |
| tanks, same basis | lb. | 07 | — |

Orthodichlorobenzene prices W of Rockies 1c. per lb. higher.

| | | | |
|---|---|---|---|
| Orthoisopropyl N-phenylcarbanate (see IPC). | | | |
| Orthoisopropylphenol, dms., c.l | lb. | .29 | — |
| l.c.l. | lb. | .30 | — |
| tanks | lb. | .28 | — |
| Orthonitroanilin, dms | lb. | 50 | .53 |
| Orthonitrochlorobenzene, dms. | lb | .17 | .18 |
| Orthonitrobiphenyl, tech., dms., c.l., works | lb. | .19½- | — |
| l.c.l., works | lb. | .20 | — |
| tanks, works | lb. | .18 | — |
| Orthonitroparachlorophenol, cns | lb. | .75 | — |
| Orthonitrophenol, dms | lb. | .66 | .77 |
| Orthonitrotoluene, dms. | lb. | .12 | — |
| Orthophenetidin, dms., works | lb. | .90 | — |
| Orthotoluidin, dms | lb. | .18 | .20 |
| Orthotolidin, distilled, kgs | lb. | 1.10 | — |
| Osage orange crystals, bbls., l.c.l | lb. | .33½- | — |
| extract, liquid, bbls., l.c.l | lb. | .15½- | — |
| Ouabaine, USP, bots | gram. | 3.00 | 4.00 |
| Ox gall, conc., gran., fib. dms., 5 lbs. and up | lb. | 2.50 | — |
| Oxyquinolin sulphate, cns., 100 lbs. works | lb. | 5.00 | — |
| smaller lots, works | lb. | 5.10 | 5.25 |

## P

| | | | |
|---|---|---|---|
| Pancreas substance, assay 1:75 | lb. | 5.75 | 6.25 |
| Pancreatin, USP | lb. | 2.50 | 3.00 |
| Panthenol, bots., works, frt. adjust. | kilo | 90.00 | — |
| Papain, powd., NF, cs | lb. | 2.90 | 3.50 |
| Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz lots | oz. | 5.00 | — |
| smaller lots | oz. | 5.05 | 5.20 |
| Sulphate, cns | oz. | 7.10 | 7.35 |
| Paprika, Chilean, bgs | lb. | .22 | .23 |
| Portuguese, bgs | lb. | .33 | .34 |
| Spanish, bgs | lb. | .41 | .43 |
| Para-anisidin, dms., works | lb. | .80 | — |
| Parachlorophenol, dms., c.l., works. | lb. | .20 | .28 |
| l.c.l., works | lb. | .28 | .29 |
| Parachloroanilin, dms., frt. alld. E. Miss | lb. | .70 | — |
| Parachloro-orthonitroanilin, dms | lb. | No stocks. | |
| Paracresol, 98%, dms., works | lb. | .50 | .65 |
| 92%-94%, dms., works | lb. | 47 | — |
| Paracymene, dms., works, 50 gals. or more | gal. | 2.50 | — |
| smaller quantities | gal. | 3.00 | — |
| Paradibromobenzene, bgs., 500-lb. lots. works | lb. | .45 | — |
| Paradichlorobenzene dms., c.l., works | lb. | .11 | — |
| l.c.l., same basis | lb | .12½- | .14 |
| Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery | lb. | No prices. | |
| 121-123 ASTM, bbls., c.l., ref'y | lb. | No prices. | |
| 126-128 ASTM, bbls., c.l., ref'y | lb. | No prices. | |
| fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y | lb. | .0690- | — |
| 122-124 ASTM, loose, c.l., ref'y, | lb. | .07 | — |
| 125-127 ASTM, loose, c.l., ref'y. | lb. | .0710- | — |
| 120-130 ASTM, loose, c.l., ref'y | lb. | .0730- | — |
| 130-132 ASTM, loose, c.l., ref'y. | lb. | .0735- | — |
| 132-134 ASTM, loose, c.l., ref'y. | lb. | .0760- | — |
| 135-137 ASTM, loose, c.l., ref'y. | lb. | 08 | — |

Paraffin prices in bgs. and etns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.

| | | | |
|---|---|---|---|
| Paraformaldehyde, dms., 1,000 lbs., works | lb. | .24 | — |
| smaller lots, works | lb. | .25 | — |
| Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works | lb. | .12½ | .13½ |
| 5-10-gal. dms., l.c.l., works | lb. | .16½- | — |
| tanks, works | lb. | .11 | — |
| USP, cbys | lb. | .51 | .53 |
| Paranitroanilin, kgs., works | lb. | .44½- | — |
| Paranitrochlorobenzene, kgs., works. | lb. | .18 | — |
| Paranitrophenol, kgs., works, frt. equald | lb. | .40 | — |
| Paranitrotoluene, kgs., works | lb. | .33 | — |
| Paraphenetidin, dms., works | lb. | .88 | — |
| Paraphenylphenol, bgs., works | lb. | .28 | .29 |
| Paraphenylenediamine, tech., kgs., works | lb. | 1.30 | — |
| Paratertiarybutylphenol, bgs., works. | lb. | .19 | .20 |
| Parathion tech., dms., c.l., works | lb. | 2.50 | — |
| l.c.l., works | lb. | 2.55 | — |
| Paratoluenesulphonamide, bbls., works | lb. | .70 | — |
| Paratoluidin, bbls., works | lb. | .55 | .63 |
| Paretra brava root, whole, ogs | lb. | .30 | .31 |
| ground, bxs | lb. | .35 | .37 |
| powder, bxs | lb. | .38 | .40 |
| Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E | lb. | .31 | — |
| l.c.l., same basis | lb. | .32 | .33 |
| Passion flower herb, bls | lb. | .26 | .28 |
| Patchouli leaves, bls | lb. | .45 | .55 |
| Peanut meal, 45%, sacked, mills | ton. | 60.00 | — |
| Pectin, NF, powd., citrous, bbls | lb. | 2.05 | 2.06 |
| tech., powd., bbls | lb. | 1.42 | 1.43 |
| Penicillin, amorphous, calcium, USP, bulk, 500,000,000 to 5,000,000,000 unit lots 100,000 units. | | .05½- | .06¼ |
| Sodium, USP, bottles, distributors, unlabeled, 100,000 units | bot. | .12½- | — |
| 200,000 units | bot. | .18 | — |
| 500,000 units | bot. | .34½- | — |
| 1,000,000 units | bot. | .62 | — |
| Crystalline potassium, bottles, distributors, unlabeled, 100,000 units | bot. | .14½- | — |
| 200,000 units | bot. | .22 | — |
| 500,000 units | bot. | .44½- | — |
| 1,000,000 units | bot. | .82 | — |
| bulk, 500,000,000 to 3,000,000,000 unit lots 100,000 units. | | .06¼- | .07⅛ |

| | | | |
|---|---|---|---|
| Penicillin, crystalline, procaine, C, in oil, with or without aluminum monostearate, 10cc. bottles, 300,000 units per cc., distributors, unlabeled | bot. | 3.40 | — |
| regular or micronized, bulk, 500,000,000 to 5,000,000,000 unit lots 100,000 units. | | .07 | .07¾ |
| Sodium, bottles, distributors, unlabeled, 100,000 units | bot. | .14¾- | — |
| 200,000 units | bot. | .22½- | — |
| 500,000 units | bot. | .45¾- | — |
| 1,000,000 units | bot. | .84½- | — |
| bulk, 500,000,000 to 5,000,000,000-unit lots 100,000 units. | | .07 | .07¾ |
| Pennyroyal leaves, bls. | lb. | .28 | .30 |
| Pentachlorophenol, dms., works | lb. | .20 | .25 |
| Pentaerythritol, tech., bgs., c.l., works | lb. | .29 | — |
| l.c.l., works | lb. | .31 | .33 |

Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).

| | | | |
|---|---|---|---|
| Pentane, industrial, tanks, group 3 | gal. | .10½- | .11½ |
| Pepper, black, bgs | lb. | .84 | .85 |
| April arrival | lb. | .83 | .84 |
| Mar. ship't, new crop | lb. | .84 | .84½ |
| April ship't, bgs | lb. | .83 | .83½ |
| May ship't, bgs | lb. | .82 | .83 |
| Red, Carolina, bgs | lb. | .50 | Nom. |
| Hontaka, bgs | lb. | .65 | .65½ |
| Louisiana longs, bgs | lb. | .18 | Nom. |
| Mombasa chillies, bgs | lb. | .36 | .37 |
| Niger, capsicum, bgs | lb. | .38 | .39 |
| birdseye, bgs | lb. | .62 | .62½ |
| White, bgs | lb. | 1.18 | 1.20 |
| May arrival | lb. | 1.13 | 1.14 |
| Peppermint, USP, dom., bls | lb. | .60 | 65 |
| imported, bls. | lb. | .95 | 1.05 |
| Pepsin, NF, bulk containers | lb. | 3.90 | — |

| | | | |
|---|---|---|---|
| Perchloroethylene, dms., c.l., zone 1, works, frt. alld. | lb. | .11 | — |
| zone 2, same basis | lb. | .11¼- | — |
| zone 3, same basis | lb. | .12 | — |
| zone 4, same basis | lb. | .11¼- | — |
| l.c.l., zone 1, same basis | lb. | .11¾- | — |
| zone 2, same basis | lb. | .12¼- | — |
| zone 3, same basis | lb. | .12¾- | — |
| zone 4, same basis | lb. | .12¼- | — |
| tanks, zone 1, same basis | lb. | .10½- | — |
| zone 2, same basis | lb. | .11 | — |
| zone 3, same basis | lb. | .11½- | — |
| zone 4, same basis | lb. | .11 | — |

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

| | | | |
|---|---|---|---|
| Peru balsam, dms | lb. | .85 | 1.00 |
| Petrolatum, tech., dark, bbls., c.l., group 3 | lb. | .021 | — |
| t.o.b. Indiana refy | lb. | .04½- | — |
| golden topaz, bbls., c.l | lb. | .032 | — |
| l.c.l. | lb. | .036 | — |
| red, veterinary, bbls., c.l | lb. | .024 | — |
| l.c.l. | lb. | .028 | — |
| USP, amber, non-ret. dms., c.l | lb. | .04¾- | — |
| Pennsylvania refy | lb. | .04½- | — |
| l.c.l. | lb. | .06 | — |
| California refy | lb. | .08¼- | — |
| cream, c.l., dms | lb. | .06½- | — |
| l.c.l. | lb. | .08¼- | — |

### Orthoaminobiphenyl—Petroleum Ether

| | | | |
|---|---|---|---|
| Petrolatum, USP, extra, amber, dms., c.l. | lb. | .05½- | — |
| Pennsylvania refy | lb. | .04¾- | — |
| l.c.l. | lb. | .06¼- | — |
| white, lily, dms., c.l. | lb. | .06⅞- | — |
| l.c.l. | lb. | .08½- | — |
| snow, dms., c.l | lb. | .07⅛- | — |
| Pennsylvania refy | lb. | .07⅝- | — |
| l.c.l. | lb. | .08¼- | — |
| California refy | lb. | .12 | — |
| soft, dms., c.l | lb. | .06⅝- | — |
| Pennsylvania refy | lb. | .06⅜- | — |
| l.c.l. | lb. | .07¾- | — |
| California refy | lb. | .10½- | — |
| yellow, soft, dms., c.l | lb. | .05 | — |
| Pennsylvania refy | lb. | .04⅝- | — |
| l.c.l. | lb. | .06¼- | — |
| California refy | lb. | .08⅛- | — |
| Petroleum, crude, bulk, at wells, California | bbl. | 1.94 | 2.88 |
| Illinois | bbl. | 2.45 | 2.87 |
| Kentucky | bbl. | 2.43 | 2.83 |
| Louisiana-Arkansas | bbl. | 2.14 | 2.75 |
| Montana | bbl. | 1.97 | 2.77½ |
| Oklahoma-Kansas | bbl. | 2.23 | 2.65 |
| Pennsylvania, lower field | bbl. | 3.55 | — |
| Upper field | bbl. | 2.73 | 3.35 |
| Texas, East | bbl. | 2.65 | — |
| Gulf coast | bbl. | 2.38 | 2.95 |
| North, North-Central | bbl. | 2.23 | 2.65 |
| Panhandle | bbl. | 2.23 | 2.65 |
| West | bbl. | 2.10 | 2.65 |
| Wyoming | bbl. | 1.97 | 2.65 |
| Ether, laboratory, 30°-60° C. cns., dlvd. E. | gal. | 1.50 | — |
| dms., c.l., group 3 | gal. | .26 | — |
| l.c.l., same basis | gal. | .44 | — |
| 35°-60° C. 10-gal. cns., dlvd. E. | gal. | 1.50 | — |
| dms., c.l., Group 3 | gal. | .26 | — |
| l.c.l., same basis | gal. | .44 | — |

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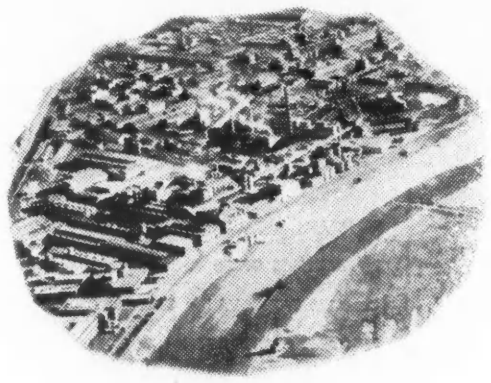

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## Petroleum Ether—Pipissewa Herb

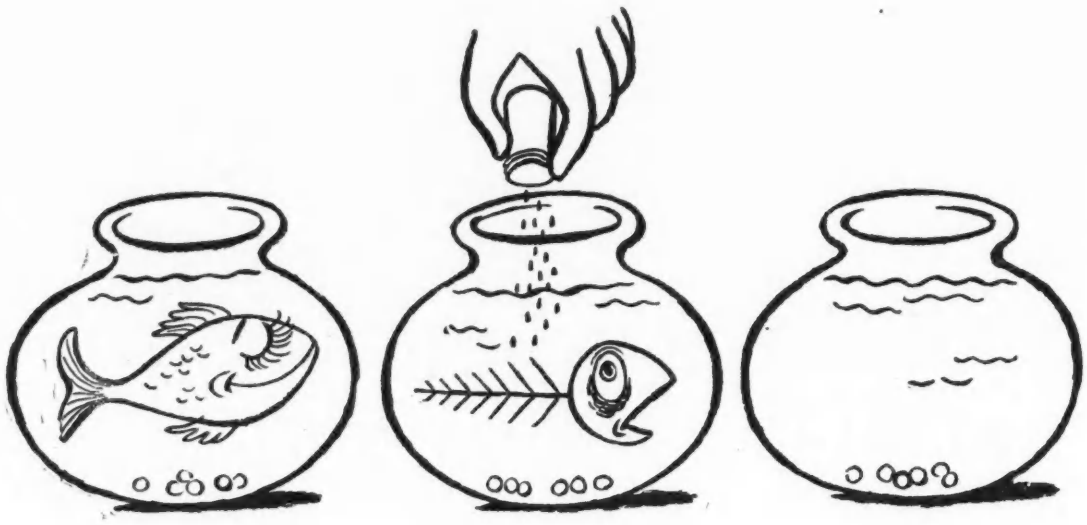
| | | | |
|---|---|---|---|
| Petroleum, ether, laboratory, 40°-75° C, 10-gal. cns., dlvd. E | gal. | 1.50 | — |
| cms., c.l., Group 3 | gal. | .26 | — |
| l.c.l., same basis | gal. | .44 | — |
| 90°-160° C, ret. dms., ex tax, f.o.b. San Francisco | gal. | .57 | — |
| Fuel oil, bunker C, No. 6, California, heavy tanks, refinery | bbl. | 2.15 | 2.25 |
| light, tanks, refinery | bbl. | 2.35 | 2.45 |
| Eastern, tanks, Albany, N. Y. | bbl. | 2.30 | — |
| Baltimore, Md | bbl. | 1.90 | — |
| Boston | bbl. | 1.95 | — |
| Charleston, S. C | bbl. | 1.85 | — |
| Jacksonville, Fla | bbl. | 1.80 | — |
| New York, N. Y | bbl. | 1.90 | — |
| Norfolk, Va | bbl. | 1.90 | — |
| Philadelphia, Pa | bbl. | 1.90 | — |
| Portland, Me | bbl. | 1.95 | — |
| Providence, R. I | bbl. | 1.925 | — |
| Savannah, Ga | bbl. | 1.80 | — |
| Diesel, tanks, refinery, California | gal. | .081 | .118 |
| Pennsylvania | gal. | .10 | — |
| Furnace, tanks, refinery, Arkansas, No. 2 | gal. | .07375 | — |
| No. 3 | gal. | .07 | — |
| Bayonne, N. J., No. 2 | gal. | .083 | — |
| Group 3, No. 1 | gal. | .08125 | .08625 |
| No. 1, straw | gal. | .08125 | .08625 |
| No. 2, straw | gal. | .0725 | .085 |
| range | gal. | .0775 | .0875 |
| Pennsylvania, No. 1 | gal. | .1075 | .113 |
| No. 2 | gal. | .10 | .105 |
| No. 3 | gal. | .10 | — |
| Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles | gal. | .147 | — |
| 255 F. b.r., tanks, ex-tax, Portland, Ore | gal. | .158 | — |
| Petroleum lacquer, diluent, San Francisco | gal. | .152 | — |
| Seattle, Wash | gal. | .158 | — |
| East coast, tanks, N. J. and N. Y. refinery | gal. | .16 | — |
| Group 3, benzol-type, tanks, refinery | gal. | .12125 | — |
| toluol-type, tanks, refinery | gal. | .11125 | .12125 |
| Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco | gal. | .152 | — |
| 205-295 b.r., tanks, same basis | gal. | .152 | — |
| 245-360 b.r., tanks, same basis | gal. | .152 | — |
| 305-362 b.r., tanks, same basis | gal. | .142 | — |
| 312-400 b.r., tanks, same basis | gal. | .142 | — |
| 360-455 b.r., tanks, same basis | gal. | .152 | — |
| East coast, tanks, N. J., N. Y., refinery | gal. | .14 | — |
| Group 3, tanks | gal. | .09875 | .10625 |
| tankwagon, Baltimore | gal. | .175 | — |
| Boston | gal. | .16 | — |
| Buffalo | gal. | .165 | — |
| Camden, N. J | gal. | .15 | — |
| Chicago | gal. | .195 | — |
| Detroit | gal. | .211 | — |
| Kansas City, Mo | gal. | .182 | — |
| Lancaster, Pa | gal. | .16 | — |
| Newark | gal. | .15 | — |
| New York | gal. | .15 | — |
| Philadelphia | gal. | .15 | — |
| Pittsburgh | gal. | .175 | — |
| Providence | gal. | .165 | — |
| Rochester | gal. | .175 | — |
| St. Louis | gal. | .189 | — |
| Syracuse | gal. | .185 | — |
| Washington, D. C | gal. | .175 | — |
| Petroleum naphtha, cleaners, California, tanks, San Francisco | gal. | .123 | — |
| East coast, tanks, N. J., N. Y., refinery | gal. | .14 | — |
| Group 3, tanks | gal. | .10875 | .11625 |
| tankwagons, St. Louis | gal. | .1890 | — |
| Newark | gal. | .15 | — |
| Chicago | gal. | .195 | — |
| Detroit | gal. | .211 | — |
| New York | gal. | .15 | — |
| Philadelphia | gal. | .15 | — |
| high-flash, 140° F, group 3, refinery, tanks | gal. | .13 | .145 |
| 200-285 b.r., 37-38° C, mixed anilin pt | gal. | .22 | — |
| 25-26° C, m.a.p. | gal. | .21 | .26½ |
| 270-370 b.r., 78-81° C, m.a.p. | gal. | .24½ | .26 |
| 270°-370° b.r., 49° C, m.a.p | gal. | .29 | — |
| 26° C, m.a.p | gal. | .21 | .26 |
| 300-400 b.r., 28-32° C, m.a.p. | gal. | .21 | .26½ |
| 340-410 b.r., 32° C, m.a.p. | gal. | .21 | — |
| 36° C, m.a.p | gal. | .21 | .28½ |
| 340-440 b.r., 32° C, m.a.p. | gal. | .26½ | — |
| 360-480 b.r., 25° C, m.a.p. | gal. | .21 | — |
| V.M.&P., California, 245-360 b.r., tanks, ex tax, f.o.b. Los Angeles | gal. | .147 | — |
| Portland, Ore | gal. | .158 | — |
| San Francisco | gal. | .152 | — |
| Seattle, Wash | gal. | .158 | — |
| East coast, N. J., N. Y., tanks, | gal. | .15 | — |
| Group 3, tanks | gal. | .10875 | .11625 |
| Petroleum naphtha, VM&P, tankwagon, Boston | gal. | .175 | — |
| Chicago | gal. | .205 | — |
| Detroit | gal. | .221 | — |
| Milwaukee | gal. | .207 | — |
| Minneapolis | gal. | .205 | — |
| Newark | gal. | .165 | — |
| New York | gal. | .165 | — |
| Philadelphia | gal. | .165 | — |
| Pittsburgh | gal. | .185 | — |
| St. Louis | gal. | .199 | — |
| Solvent, rubber, California, tanks, ex tax, San Francisco | gal. | .152 | — |
| East coast, N. J., N. Y., | gal. | .15 | — |
| Group 3, tanks | gal. | .10375 | .10875 |
| Stoddard, California, tanks, ex tax, San Francisco | gal. | .142 | — |
| East coast, N. J., N. Y., tanks | gal. | .14 | — |
| Group 3, tanks | gal. | .09875 | .11125 |
| Pennsylvania, western, tanks, | gal. | .10 | — |
| tankwagon, Boston | gal. | .16 | — |
| Chicago | gal. | .195 | — |
| Detroit | gal. | .211 | — |
| Milwaukee | gal. | .197 | — |
| Minneapolis | gal. | .195 | — |
| Newark | gal. | .15 | — |
| New York | gal. | .15 | — |
| Philadelphia | gal. | .15 | — |
| Pittsburgh | gal. | .175 | — |
| St. Louis | gal. | .189 | — |
| Syracuse | gal. | .185 | — |
| Sulphonate, 70% sulphonic content, ret. dms., c.l., works | lb. | .15¼ | — |
| l.c.l., works | lb. | .15½ | — |
| tanks, works | lb. | .13¾ | — |
| 50% sulphonic content, ret. dms., c.l., works | lb. | .12¼ | — |
| l.c.l., works | lb. | .12½ | — |
| tanks, works | lb. | .10¾ | — |
| Phenobarbital, USP, dms., 100 lbs. | lb. | 4.00 | 4.35 |
| Phenobarbital-sodium, USP, dms | lb. | 4.00 | 4.10 |
| Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. | lb. | .13½ | .14 |
| l.c.l., same basis | lb. | .14¼ | .14¼ |
| tanks, same basis | lb. | .12¼ | — |
| 82-84% (cresol, 16-18%), dms., c.l., same basis | lb. | .14 | .14¼ |
| l.c.l., same basis | lb. | .14¾ | .15 |
| tanks, same basis | lb. | .12½ | — |
| USP, dms., c.l., same basis | lb. | .13½ | .14¼ |
| l.c.l., same basis | lb. | .14¼ | .15 |
| tanks, same basis | lb. | .12½ | — |
| Phenolphthalein, USP, yellow, pbls., dms., 2,000 lbs | lb. | 1.00 | — |
| smaller lots | lb. | 1.01 | 1.04 |
| Phenothiazin, NF, fib. dms., 18,000 lbs., works | lb. | .44 | — |
| smaller lots, works | lb. | .46 | — |
| Phenylacetaldehyde solution, 50%, bots | lb. | 2.35 | 2.65 |
| 100%, bots | lb. | 4.00 | 4.15 |
| Phenylacetamide, dms., works, 1,000 lb. lots | lb. | 1.45 | — |
| smaller lots | lb. | 1.60 | — |
| Phenyl acetate, dms., 100-lb. lots, works | lb. | .50 | — |
| Salicylate (see Salol). | | | |
| Phenylalanine dextro laevo, dms, works | lb. | 30.00 | 37.50 |
| Phenyldiethanolamine, dms., c.l., works | lb. | .35½ | — |
| l.c.l., works | lb. | .36½ | — |
| Phenylethanolamine, dms., c.l., works | lb. | .67½ | — |
| l.c.l., same basis | lb. | .68½ | — |
| Phenylethyl acetate, dms | lb. | 1.40 | 1.80 |
| Phenylethylphenyl acetate, bots | lb. | 4.50 | 6.00 |
| Phenylhydrazin base, CP, bots | lb. | 3.00 | 3.07 |
| Hydrochloride, CP, bots., works. | lb. | 5.00 | 5.07 |
| commercial, kgs., works | lb. | 1.75 | — |
| Phenylmethylpyrazolone, dms., works | lb. | 1.58 | 1.60 |
| Phloroglucinol, CP, fib. dms., works | lb. | 13.75 | 15.75 |
| commercial fib. dms., works | lb. | 7.00 | 8.00 |
| tech., fib., dms | lb. | 10.00 | 10.75 |
| Phosgene, 150-lb. cyls., works | lb. | .20½ | — |
| 10-lb. cyls., works | lb. | 1.50 | — |
| Phosphate, defluorinated (see under D). | | | |
| Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine | long ton. | 3.85 | — |
| 70%-68%, b.p.l., c.l, same basis | long ton. | 4.25 | — |
| 72%-70%, b.p.l., c.l., same basis | long ton. | 4.85 | — |
| 75%-74%, b.p.l., c.l., same basis | long ton. | 5.85 | — |
| 77%-76%, b.p.l., c.l., same basis | long ton. | 6.85 | — |
| finely ground, 65.5% b.p.l., basis 30% $P_2O_5$ minimum. | short ton. | 4.93 | — |
| finely ground, 68% b.p.l., basis 31% $P_2O_5$ minimum | short ton. | 5.28 | — |
| 70%, b.p.l., basis 32% $P_2O_5$ minimum | short ton. | 5.83 | — |

Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

| | | | |
|---|---|---|---|
| Tennessee, brown, run of mine, unground, 27-26% $P_2O_5$ | long ton. | 6.46 | — |
| 30-29% $P_2O_5$ | long ton. | 7.21 | — |
| Phosphorus, red, amorphous, cs | lb. | .33 | .36 |
| tins, export | lb. | .34 | .37 |
| Yellow, cns | lb. | .30 | .37 |
| dms., c.l. | lb. | .26 | — |
| Oxychloride, dms., works | lb. | .12 | .15 |
| Pentasulphide, dms., c.l., works | lb. | .11 | — |
| l.c.l., dms., works | lb. | .12 | .13 |
| Pentoxide, dms., c.l., works | lb. | .12 | — |
| l.c.l., works | lb. | .13 | .14 |
| Sesquisulphide, tins, cs., works | lb. | .28 | .29 |
| dms., export | lb. | .33½ | .36 |
| Trichloride, dms., c.l., works | lb. | .12 | .15 |
| l.c.l., works | lb. | .13 | .16 |
| Phthalamide, bbls., works | lb. | .35 | .40 |
| kgs., works | lb. | .43 | .50 |
| Phthalic anhydride, bgs., bbls., c.l., works, frt. equald | lb. | .22½ | — |
| Pacific Coast, dlvd | lb. | .22 | .24¼ |
| l.c.l., frt. equald | lb. | .23½ | — |
| Pacific Coast, dlvd | lb. | .24 | .26¼ |
| Pichi leaves, bgs | lb. | .07 | .08 |
| Picoline (see Alphapicoline and Betapicoline). | | | |
| Picrotoxin, USP, bots | oz. | 8.00 | — |
| Pilocarpine hydrochloride, NF, bots., vials | oz. | 6.50 | 7.50 |
| Nitrate, USP, bots, vials | oz. | 6.25 | 7.25 |
| Pimento, Jamaica, bgs | lb. | .23 | .23½ |
| Pinetar, retort, dms. incl., c.l., works, South | gal. | .43½ | — |
| l.c.l., same basis | gal. | .45½ | — |
| whse., N.Y.C. | gal. | .54¾ | — |
| tanks, works, South | gal. | .34½ | — |
| Pinkroot, bls | lb. | 1.90 | 2.10 |
| Piperidine, 95%, dms., frt. equald. | lb. | 1.65 | — |
| 98%, dms., same basis | lb. | 1.75 | — |
| Piperazine hexahydrate, bots | lb. | 8.50 | 9.00 |
| Pipsissewa herb (see Prince's pine). | | | |


**Make it dissolve with NAXONATE***

***A WYANDOTTE HYDROTROPE**



***Wyandotte Naxonate*** is an excellent hydrotropic agent for "salting in" or increasing the solubility of insoluble or slightly soluble organic chemicals in aqueous solutions.

This versatile compound, sodium xylenesulfonate, has been found useful in preventing crystallization and precipitation in liquid products, in selectively extracting certain components from natural and residual mixtures, and in purifying a wide variety of organic compounds. Because of its high electrical conductivity, it aids in such processes as electrolytic oxidation and reduction.

In several applications, it increases organic reaction rates and over-all yields. The use of Naxonate also makes it possible to employ water solutions of many compounds not ordinarily considered to be water-soluble.

Naxonate is available in the form of a creamy-white, free-flowing powder or as a straw-colored concentrated solution in water. Its chemical stability, negligible loss by evaporation and ready recovery after use lower still further the user's expense per unit of production. Orders for commercial quantities can be filled. Its cost-per-pound is low.

We will be glad to furnish additional information and samples of Naxonate, either as anhydrous powder or 40% aqueous solution.

**Wyandotte Chemicals Corporation**

Wyandotte, Mich. • *Offices in Principal Cities*

SODA ASH • CAUSTIC SODA

BICARBONATE OF SODA

CALCIUM CARBONATE • CALCIUM CHLORIDE

CHLORINE • HYDROGEN • DRY ICE

SYNTHETIC DETERGENTS • GLYCOLS

CARBOSE (Sodium CMC) • ETHYLENE DICHLORIDE

PROPYLENE DICHLORIDE • CHLOROETHERS

AROMATIC SULFONIC ACID DERIVATIVES

OTHER ORGANIC AND INORGANIC CHEMICALS

Wyandotte
REG. U. S. PAT. OFF.

• *Wyandotte can offer you pilot plant quantities of the following homologues of Naxonate:* Sodium Benzenesulfonate • Sodium Toluenesulfonate • Sodium p-Cymenesulfonate.

Pitch, coaltar, 150°F. m.p., bbls., c.l., works ton 34.00 —
t.c.l., works ton 36.00 -37.00
Cottonseed, dms., works lb. .08 - 08½
Hardwood, paper bgs., c.l., works lb. .02 - —
Linseed, dms [illegible] no prices.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East 100 lbs. 6.90 —
Soybean, dms., works lb. .06 - .06½
Plaster of paris (see Gypsum)
Platinum metal, works oz. 72.00 -75.00
Pokeroot, bls. lb. .16 .17
Pleurisy roots, bls lb. .25 .26
Podophyllin, NF, dms lb. 14.25 - —
Polystyrene, plain colors, dms., 50,000 lbs., frt. alld lb. .32 - —
30,000 lbs. to 49,999 lbs., same basis lb. .33 - —
smaller lots, same basis lb. .34 - .42
special colors, dms., 50,000 lbs., same basis lb. .32 - —
30,000 lbs. to 49,999 lbs., same basis lb. .33 - —
smaller lots, same basis lb. .35 - .50
water-clear, dms., 50,000 lbs., same basis lb. .26 - —
30,000 lbs. to 49,999 lbs., same basis lb. .27 - —
smaller lots, same basis lb. .28 - .35
bg. prices ½c. per lb. lower.
Pomegranate root bark, bgs lb. .75 Nom.
Poppy flowers, bls lb. .50 .55
Seed, Dutch, bgs lb. .17½ .18
Polish, bgs. lb. .16 - .16½
Turkish, bgs lb. .13 - .13½
Potash, caustic, low-chloride, flake, 90% dms., c.l., works 100 lbs. 9.55 - —
t.c.l., works 100 lbs. 9.75 - —
liquid, dms., c.l., 45%, works, 100 lbs. 4.525 - —
t.c.l., works 100 lbs. 5.025 - —
tanks, works 100 lbs. 4.20 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.15 - —
t.c.l., works 100 lbs. 9.90 - —
regular, flake, 88-92%, dms., c.l., works lb. .0815- —
t.c.l., works lb. .089 - —
liquid, 45% basis, dms., c.l., works lb. .03725- —
t.c.l., same basis lb. .0450- —
tanks, same basis lb. .0340- —
solid, 88-92%, dms., c.l., works, lb. .0755- —
t.c.l. lb. .0830- —
Potassium abietate lb. .08 - —
Acetate, USP, dms lb. .31 - —
Bicarbonate, USP, gran., dms lb. .20 - .22
powd., dms lb. .22 - .24
Bichromate, contract, bgs., c.l., works lb. .12¾- —
t.c.l., contract lb. .12⅞- .13
spot, bgs., c.l. lb. .14¼- —
t.c.l. lb. .14⅝- —
Potassium bichromate in bbls., ¼c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works ton 192.00 - —
ton lots, works ton 245.50 - —
less ton lots, works ton 250.50 - —
Bromate, bbls., 1,000 lbs. or more, lb. .48 - —
25-200 lbs lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works lb. .0780- —
t.c.l., same basis lb. .0830- —
hydrated, 83-85%, bbls., c.l., works lb. .06¼- —
dms., t.c.l., works lb. .06¾- —
USP, gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., bgs lb. .25 - .29
Chlorate, cryst., kgs., c.l., works, lb. .08½- —
t.c.l., works lb. .09¾- —
powd., dms., kgs., c.l., works lb. .09 - —
t.c.l., works lb. .09¾- —
export, kgs., 1 to 10 tons, ex whse lb. .12 - —
NF, gran., dms lb. .31 - .33
Chloride, USP, cryst., dms lb. .26 - .27
gran., bbls lb. .29 - .32
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½- .42½
Potassium citrate, USP, powd., 3c. per lb. higher.
Cyanide, dms., works lb. .55 - —
Fluoride, dms., works lb. .24 - —
Glycerophosphate, 75% solution, cbys. lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, 50-lb. lots lb. .90 - .93
Iodide, dms. lb. 2.10 - 2.13
Manure salt, 22% $K_2O$, bulk, mines unit-ton. .20 - —
25% $K_2O$, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls lb. .21 - —
powd., bbls lb. .23 - —
Muriate, dom., 60% $K_2O$, bulk, Carlsbad, N. M. unit-ton. .37½- —
Trona, Cal unit-ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls lb. .30 - —
Perchlorate, kgs., c.l., works lb. .13½- —
dms., t.c.l., works lb. .14 - .15
Permanganate, tech., dms., works, lb. .21¾- .22¼
USP, dms., works lb. .23½- —
ex whse lb. .29 - —
Persulphate, dms., c.l., works lb. .17 - —
t.c.l., works lb. .21 - —
Phosphate, tetrabasic, bbls., works lb. .13 - .13½
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb. .21 - —
kegs lb. .26 - —
Ricinoleate, tech., bbls lb. .18 - —
Silicate, glass, bgs., c.l., works ton 200.00 - —
t.c.l. 100 lbs. 15.25 - —
Solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
t.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4, works 100 lbs. 5.50 - —
62° Be. net, dms., c.l., works, 100 lbs. 4.75 - —
t.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 5.75 - —
t.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works 100 lbs. 7.00 - —
Silicofluoride, bbls., works lb. .07 - .08
Sulphate, agricultural, dom., bulk, basis 90-95% $K_2SO_4$, min. 90%, works ton 32.50 - —
Indust, bulk, works ton 36.00 - —
NF, cryst., bbls lb. .31 - .33
gran., dms lb. .14 - .15
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, cryst., NF, dms lb. .70 - .78
tech., works lb. .45 - .50
Titanate, ctns., c.l., works lb. .12 - —
5 tons, works lb. .12¼- —
1 ton or less, works lb. .12½- .13

Potassium-magnesium sulphate bulk, min., 40% $K_2SO_4$, 18-50% MgO, works ton 14.50 - —
Potassium-sodium ferricyanide, kgs., works lb. .50 - .53
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .55
Potassium-titanium oxalate, bbls., dms lb. .55 - .60
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
t.c.l., works lb. .52½- .55
Prickly ash bark, bls lb. .25 - .27
Berries, bgs. lb. No stocks.
Prince's pine herb, bls lb. .54 .60
Procaine hydrochloride, USP, cns., 200-lb. lots lb. 4.00 - 4.75
smaller lots lb. 4.25 - 5.75
Progesterone, USP, 100 gms gm. 3.75 - —
Propane, commercial grade (dms., group 3 gal. .03½- —
Propionaldehyde, dms., c.l., works lb. .28½- —
t.c.l., works lb. .29½- —
tanks, works lb. .25 - —
Propylaldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb. 2.30 - 2.40
Propylene dichloride, dms., c.l lb. .08½ —
t.c.l. lb. .09½- —
smaller containers lb. .12½- —
tanks lb. .07 - —
Oxide, dms., c.l., frt. alld. E lb. .20½- —
t.c.l., frt. alld. E lb. .21½- —
tanks, frt equald. E lb. .18½- —
Propyleneglycol NF, dms., c.l., frt. alld. E lb. .17½- —
t.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
tech., dms., c.l., frt. alld. E lb. .16½- —
t.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 —

Propyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
t.c.l., same basis lb. .18½- —
tanks, same basis lb. 16½- —
Propylthiouracil, bots., works kilo. 55.00 - —
Psyllium seed, black, bgs lb. .25 - .26
blonde, bgs lb. .21 - .26
husks, bgs lb. .55 - .65
Pulsatilla herb, bls lb. .55 .60
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots, lb. .03⅜ .04
Chicago, bgs., ton lots lb. .04½- —
smaller lots lb. .03⅜- .04¼
fine, bgs., ton lots lb. .03⅜- —
smaller lots lb. .03⅜- .04
Italian, silk-screen, fine, bgs., ton lots lb. .04 - —
coarse, bgs., ton lb. .05½- —
sun dried, fine, bgs., ton lots lb. .03 - —
coarse, bgs., ton lots lb. .04½- —
Pumice in bbls is ½c. per lb. higher.
Pumpkin seed, bgs lb. .25 .26
Purple lake (see Red).
Pyrethrum concentrate, de-waxed, 20%; for aerosol bombs, dms., works lb. 8.50 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 6.75 - 7.25
regular base, dms., works, gal. 6.65 - 7.15
(30 to 1) base 3 grams pyrethrins, per 100cc., odorless base, bbls., works gal. 9.95 -10.65
regular base, dms., works, gal. 9.83 -10.52

Pyrethrum flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .26 - .27½
powder, 1.3% pyrethrins, bbls., works lb. .37½- .39½
Pyridin, denaturing ret. dms., works and frt equald gal. 2.49 2.72
refd., 2° non-ret. dms., c.l., same basis lb. .79 - .86
t.c.l., same basis lb. .79½- .80
ret. dms., t.c.l., same basis lb. .69 .80
Pyridoxin hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. All ports, long-ton 8.00 - —
Pyrocatechin (see Catechol)
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton 11.00 -11.50
250 mesh bulk, c.l., mines ton 12.00 - —
325 mesh, bulk, c.l., mines ton 15.00 - —
No. 3 200 mesh bulk, c.l., mines, ton 9.50 - —
insecticide grade, 200 mesh, bulk, c.l., mines ton. 9.00 -10.00
rubber grade, 140 mesh, bulk, c.l., mines ton. 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .14 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb. .17 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works lb. .19 - —
colors, cs., works lb. .17 - —




| | |
|---|---|
| Acetone | $CH_3{\cdot}CO{\cdot}CH_3$ |
| Acrolein | $CH_2{:}CH{\cdot}CO{\cdot}H$ |
| Allyl Alcohol | $CH_2{:}CH{\cdot}CH_2OH$ |
| Allyl Chloride | $CH_2{:}CH{\cdot}CH_2Cl$ |
| Diacetone Alcohol | $CH_3{\cdot}CO{\cdot}CH_2{\cdot}COH(CH_3)_2$ |
| Diisobutylene | $CH_2{:}C(CH_3){\cdot}CH_2{\cdot}C(CH_3)_3$ & $(CH_3)_2{\cdot}C{:}CH{\cdot}C(CH_3)_3$ |
| Di-Tertiary Butyl Peroxide | $(CH_3)_3{\cdot}COOC{\cdot}(CH_3)_3$ |
| Epichlorohydrin | $CH_2Cl{\cdot}CH{\cdot}CH_2$ (O) |
| Ethyl Alcohol | $CH_3{\cdot}CH_2OH$ |
| Glycerine (*Synthetic*) | $CH_2OH{\cdot}CHOH{\cdot}CH_2OH$ |
| Glycerol Dichlorohydrin | $CH_2Cl{\cdot}CHCl{\cdot}CH_2OH$ & $CH_2Cl{\cdot}CHOH{\cdot}CH_2Cl$ |
| Hexylene Glycol | $(CH_3)_2{\cdot}COH{\cdot}CH_2{\cdot}CH(OH)CH_3$ |
| Isopropyl Alcohol (*Refined 99%*) | $CH_3{\cdot}CHOH{\cdot}CH_3$ |
| Isopropyl Ether | $(CH_3)_2{\cdot}CH{\cdot}O{\cdot}CH(CH_3)_2$ |
| Mesityl Oxide | $CH_3{\cdot}CO{\cdot}CH{:}C(CH_3)_2$ |
| Methyl Ethyl Ketone | $CH_3{\cdot}CO{\cdot}C_2H_5$ |
| Methyl Isobutyl Carbinol | $(CH_3)_2{\cdot}CH{\cdot}CH_2{\cdot}CH(OH)CH_3$ |
| Methyl Isobutyl Ketone | $CH_3{\cdot}CO{\cdot}CH_2CH(CH_3)_2$ |
| Secondary Butyl Alcohol | $CH_3{\cdot}CHOH{\cdot}C_2H_5$ |
| Tertiary Butyl Alcohol | $(CH_3)_3{\cdot}COH$ |

**ALSO**

Ionol, an anti-oxidant

Alkylated Aromatic, a detergent intermediate

**SHELL CHEMICAL markets these**

# ORGANIC CHEMICALS

● An increasing number of products are being produced in better or more economical ways from these Organic Chemicals. The useful knowledge gained in manufacturing and marketing these chemicals may be helpful in solving your own problem. Keep these products in mind and call upon this knowledge as your needs arise.

*Write today to your nearest Shell Chemical office for further information, technical data and samples.*

**SHELL CHEMICAL CORPORATION**

EASTERN DIVISION
500 Fifth Ave., New York 18
WESTERN DIVISION
100 Bush St., San Francisco 6

LOS ANGELES HOUSTON ST. LOUIS CHICAGO
CLEVELAND BOSTON DETROIT NEWARK

### Pyroxylin Shavings—Sesame Seed

Pyroxylin shavings, opaque, amber, cs., works lb. .15 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb 17 - —
USP, bots., dlvd lb. 9.54 - —

## Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., duty extra lb. .17½ Nom.
liq., 35% tannin, bbls., works, lb. .09 - —
tanks, same basis lb. .08¼- —
solid, 64% tannin, bgs., c.l., duty extra lb. .11½- —
powd., 70% tannin, bgs., c.l., same basis lb. .18 Nom.
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis, lb. .10¾- —

Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs. lb. .12 - .13
Quercitron crystals, bbls., l.c.l. lb. .33½- —
Extract, liquid, bbls., l.c.l. lb. .14½- —
solid, bxs. lb. .28 - —
Quicksilver, flasks (76 lbs.) net, flask.86.00 -88.00
Quince seed, bgs. lb. .95 - 1.75
Quinindine, NF, V, cryst., cns. oz. 2.10 - —
powd., precip., cns oz. 2.05 - —
Sulphate, USP, cns oz. 1.35 - —
Quinine, NF, cns., 100 ozs. oz. 1.00 - —
Bisulphate, USP, cns., 100 ozs. oz. .73 - —
Dihydrochloride, USP oz. 1.00 - —
Quinine ethylcarbonate, NF, cns., 100 ozs. oz. 1.07 - —
Hydrobromide, NF, cns., 50-oz. cns. oz. .91 - —
Hydrochloride, USP, cns., 100 ozs. oz. .91 - —
Hypophosphite, cns., 100 ozs. oz. 1.35 - —
Phosphate, NF, cns., 100 ozs. oz. 1.10 - —
Salicylate, NF, ctns., 100 ozs. oz. .95 - —
Sulphate, USP, cns., 100 ozs. oz. .80½- —
Quinine-urea hydrochloride, NF, cns oz. .97 - —
Quinolin, dms., c.l., works lb. .50¾- .54½
l.c.l., same basis lb. .51¼- .55
tanks lb. .50 - .51

## R

R salt, paste, dry basis, dms. lb. .70 - .75
Raspberries, dried, bbls. lb. 1.90 - 2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.45 - 2.25

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies, lb. 1.35 - —
light shade, bbls., same basis, lb. 1.20 - —
Red, cadmium, maroon, bbls., same basis lb. 1.45 - 1.85
medium shade, bbls., same basis lb. 1.30 - —
medium-light shade, bbls., same basis lb. 1.25 - —
orange-red, bbls., same basis lb. 1.15 - —

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. .135 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .11¼- .11¾
Iron oxide, synth., bgs lb. .11½- .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J. lb. .05¼- .09¼
special, high color, all shades lb. 1.00 - —
Lake C toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works lb. .80 - —
Lithol-rubin toner, alizarin, lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25% bgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb. 2.02 - —
Metallic, bbls., works lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .06¾- .07
Red, para toner, bbls. lb. .85 - .93
chlorinated, kgs. lb. .95 - 1.05
concentrated alizarin lake, kgs., works lb. .80 - —
Phloxin toner (see eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 - —
Pink lake alizarin, bbls., works lb. .20 - .25
Purple lake, kgs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l., ex dock lb. .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock lb. .05½- .05¾
ex whse., New York lb. .06¼- —
Toluidin toner, alizarin lake, kgs., works lb. 1.35 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- —
20% bgs., works lb. .0360- —
25% bgs., works lb. .0410- —
30% bgs., works lb. .0440- —
35% bgs., works lb. .0465- —
40% bgs., works lb. .0490- —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 2.27 - —
Red Precipitate, NF, powd., fib. dms lb. 2.17 - 2.19
Red saunders wood, grd., bbls lb. .35 - —
Rennin, NF lb. 6.50 - —
Resorcinol, tech., dms., works lb. .75 - —
USP, cryst., dms., works lb. 1.80 - —
powd., dms., works lb. 2.00 - —
Monoacetate, NF, dms lb. 3.25 - 3.45
Rhantany root, bgs lb. .10 - .12
Rhubarb root, whole, cs lb. .75 - .95
powd., bbls lb. .80 - 1.05
Riboflavin, USP, bots kilo.125.00 - —
Readily soluble, bots kilo.175.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif. lb. .79 - —
Rochelle salt, USP, gran., powd., bbls., 5,000 lbs. lb. .28½- —
smaller lots lb. .29 - .30
Rose flowers, pale, bls lb. .23 - .24
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .12 - .12½
Portuguese, bls lb. .06½- .07
Spanish, bls lb. .08 - .08½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 4.25 - —
FF, dms., c.l., works 100 lbs. 5.65 - —
G, H, I, dms., c.l., works 100 lbs. 5.70 - —
K, dms., c.l., works 100 lbs. 5.70 - —
M, dms., c.l., works 100 lbs. 5.70 - —
N, dms., c.l., works 100 lbs. 5.75 - —
WG, dms., c.l., works 100 lbs. 5.85 - —
WW, dms., c.l., works 100 lbs. 5.95 - —
X, dms., c.l., works 100 lbs. 6.05 - —
Rotenone, C.P., bbls., works lb.20.00 - —
tech., works lb.16.50 - —
Rottenstone, bgs., c.l., mines ton.36.00 - —
l.c.l., mines ton.43.00 - —
Wood, B, dms., c.l., works 100 lbs. 4.50 - —
FF, dms., c.l., works 100 lbs. 6.50 - —
Rue herb, bls lb. .40 - .45
Rutin, 10 kilos, fib. dms gram, .12 - —
5 kilos, fib. dms gram, .13 - —
smaller lots, fib. dms gram, .13½- —

## S

Sabadilla seed, powd., bbls lb. .36 - .37
activated ground with lime, bbls lb. .28 .30
Saccharin, USP, gran., soluble, 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.55 - —
smaller lots lb. 1.65 - 1.85
Safflower, Egyptian, bls lb. .90 - 1.00
Saffron, Mexican, bls lb. 1.20 - 1.35
Spanish, USP, tins lb.19.00 -22.50
Safrol, dms lb. .68 - .75
Sage, cyprus, bgs lb. .03 - .09
Dalmatian, bls lb. .22½- .23
Greek, fancy, bls lb. .13½- .14
Spanish, bls lb. .13½- .14
Syrian, bgs lb. .21 Nom.
Sago flour, bgs lb. .07½- .08
Saligenin, ctns., works lb.14.00 -25.00
Salol, NF, gran., bbls., kgs lb. 1.00 - —
fib. dms lb. 1.02 - 1.03
powdered salol, 10c. higher
Salt, rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. 100 lbs. 1.19 - 1.22
paper bgs., c.l. 100 lbs. .68 - —
l.c.l. 100 lbs. 1.09 - 1.12
Table, vacuum, common, fine, bgs., works, c.l. 100 lbs. .98 - 1.08
l.c.l., bgs. dlvd. 100 lbs. 1.20 - 1.32
USP, dms lb. .21 - —
Saltcake, dom., bulk, dlvd ton.27.00 - —
Saltpeter cryst., bbls., 10 tons, 100 lbs.13.90 - —
smaller lots 100 lbs.14.15 -14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs.10.50 -11.00
powd., bbls., 20 tons 100 lbs.10.25 - —
smaller lots 100 lbs.11.50 -12.00
NF, gran., dms lb. .15¾- .17¾

Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.

Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, NF, cryst., powd., cns kilo.190.00 -200.00
Saponin No. 1, cns lb. 2.45 - —
Sarsaparilla root, dom., bls lb. .40 - .45
Honduras, bls lb. .40 - .45
Mexican, bls lb. .24 - .30
Sassafras bark, ord., bls lb. .30 - .31
select, bls lb. .60 - .65
Savory, French, bls lb. .20 - .20½
Spanish, bls lb. .14 - .14½
Saw palmetto berries, bgs. lb. .23 - .24
Scammony resin, lump, cns lb. 2.10 - 2.25
powd., cns lb. 2.20 - 2.30
Root, bgs lb. .13 - .14
Schaeffer's salt, bgs. lb .60 - .67
Scopolamine hydrobromide (see Hyoscine hydrobromide).
Seidlitz mixture, bbls., 5,000 lbs lb. .25¾- —
smaller lots lb. .26¼- —
kegs, 5,000 lbs lb. .26¼- —
smaller lots lb. .26¾- —
Selenium, powd., cns., 10-lb. lots lb. 2.10 - —
cs., 1,000-lb lots lb. 2.00 - —
Senega root, bls lb. 1.50 - 1.55
Senna leaf, Alex., half-leaf, bls lb. .22 - .24
sifting, bgs lb. .19 - .21
Tinnevelly, No. 1, bls lb. .17 - .24
No. 2, bls lb. .14 - .19
No. 3, bls lb. .11 - .14
Pods, bls lb. .12 - .15
powdered, bls., bxs. lb. .16 - .22
Serpentaria root, bls lb. 2.25 - 2.30
Sesame seed, Brazil, bgs., afloat lb. .16½- .17
Central Amer., natural, bgs. lb. .17½- .18
Chinese, hulled lb. .20 - .21
choice, bgs. lb. .23 - .23½
Nicaragua, hulled lb. .26 - .27
Salvadorean lb. .14½- .15
Turkish, yellow lb. .16 - .16½


SOLE MFRS. BICHROMATE SINCE 1909
Natural
OF SODA
NATURAL PRODUCTS REFINING CO. JERSEY CITY, NEW JERSEY

BICHROMATES OF SODA AND POTASH

SODIUM CHROMATE

SODIUM SULPHATE

NATURAL PRODUCTS REFINING COMPANY
JERSEY CITY, NEW JERSEY

Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .66½ - —
bbls., 1,500-lb. lots lb. .67 - —
kgs., 1,500-lb. lots lb. .69 - —
refined, bgs., 1,500-lb. lots lb. .76½ - —
bbls., 1,500-lb. lots lb. .77 - —
kgs., 1,500-lb. lots lb. .79 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs lb. .70 - .71
No. 2, bgs lb. .68 - .69
Superfine, bgs. 10 bgs lb. .65 - .66
TN, bgs., 10 bgs lb. .61 - .62
Shellac in 1 to 9 bgs., 1c. more

Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton.20.00 -30.00
l.c.l., works ton.25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton.20.00 - —
l.c.l., works ton.25.00 - —
99½%, 140 mesh, bgs., c.l., works ton.12.00 - —
l.c.l., works ton.17.00 - —

Tetrachloride, tech., dms., c.l., works lb. .14½ - —
l.c.l., works lb. .18½ - .20½

Silver bullion, ingots, cs oz. .71½ - —
Cyanide, fib. dms., 2,500-oz. lots, oz. .65⅜ - —
1,000-oz. lots oz. .65⅝ - —
500-oz. lots oz. .65⅞ - —
100-oz. lots oz. .66⅛ - —

Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .45⅜ - —
1,000-oz. lots oz. .46⅛ - —
500-oz. lots oz. .47¼ - —
250-oz. lots oz. .48 - —
USP granular silver nitrate, 2c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —

Simaruba bark, bls. lb. .85 Nom.

Skullcap herb, Eastern, bls lb. .75 - .80
Western, bls lb. .30 - .35

Skunk cabbage root, bls lb. .35 - .40

Slate flour, bgs., c.l., works ton.11.00 -12.00
l.c.l., ex whse ton.20.00 -60.00

Sloe berries, bgs lb. .33 - .40

Smalt, black, ctns lb. .11 - —
Blue, ctns lb. .16 - —

Snakeroot, Canada, bls lb. .43 - .45

Soapbark, bls lb. .19 - .20
crushed, bls., bbls lb. .26 - .27
cut, foreign, bbls lb. .27 - .29
powd., bbls lb. .29 - .30

Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.50 - —
l.c.l., stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 2.00 - —
l.c.l., stock points 100 lbs. 3.25 - 5.02
bulk, c.l., works 100 lbs. 1.25 - —
light, 53%, paper bgs., c.l., works 100 lbs. 1.40 - —
l.c.l., stock points 100 lbs. 2.65 - 4.42
bbls., c.l., works 100 lbs. 1.90 - —
l.c.l., stock points 100 lbs. 3.15 - 4.92
bulk, c.l., works 100 lbs. 1.15 - —
Caustic, flake, powd., 76%, dms., c.l., works 100 lbs. 3.45 - —
l.c.l., stock points 100 lbs. 4.80 - 6.67
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.40 - 2.50
70%, sellers' tanks, works, dry basis 100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 - —
solid, 76%, dms., c.l., works 100 lbs. 3.05 - —
l.c.l., stock points 100 lbs. 4.40 - 6.27

Sal, bgs., c.l., ex car 100 lbs. 1.55 - —
l.c.l., bgs., ex whse 100 lbs. 1.75 - —

Soda-lime, USP, dms lb. .23 - .25

Sodium acetate, anhyd., dms., works lb. .10 - .11½
NF, cryst., bbls., works lb. .08 - .09

Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
smaller lots lb. 1.30 - 1.65

Alkylbenzene-sulphate, dms., wks., lb. .13 - —

Aluminate, 20,000 lbs., or more bgs 100 lbs. 8.50 - —
under 20,000 lbs., works 100 lbs. 9.50 - —

Antimoniate, bbls., c.l., dlvd, E. lb. .31 - —
l.c.l., dlvd lb. .32 - —

Arsenate, dealers, dms., c.l., works, lb. .12 - —

Arsenite, 75%, dealers, dms., works lb. .13¼ - .14¼
solution, dms., works gal. .70 - 1.00
l.c.l., works lb. .11¾ - .11⅞

Benzoate, tech., bbls., 2 tons lb. .39 - —
smaller lots lb. .40 - .41
USP, dms., 2 tons lb. .46 - —
smaller lots lb. .47 - .52

Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., works 100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l., works 100 lbs. 2.60 - —

Bichromate, contract, bgs., c.l., works lb. .10 - —
l.c.l., works lb. .10⅛ - .10¼
spot, c.l., bgs lb. .10½ - —
l.c.l., bgs lb. .11½ - —
Sodium bichromate, in bbls., ¼c. higher.

Bifluoride, bbls., c.l., works, frt. equald lb. .13¼ - —
l.c.l., same basis lb. .13½ - —

Bisulphate, bulk, c.l., works 100 lbs. 1.75 - —
dms., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.90 - —

Bisulphite, powd., bbls., c.l., works 100 lbs. 3.50 - —
l.c.l., works 100 lbs. 4.00 - —
solut. 35° bbls., c.l., works 100 lbs. 1.10 - —
l.c.l., works 100 lbs. 1.50 - —

Borate (see Borax).

Bromide, USP, bbls., kgs., works lb. .33 - .34

Cacodylate, NF, bots., dms lb. 9.00 -12.00

Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
USP monohydrate, dms lb. .05¾ - .06½

Chlorate, cryst., dms., c.l., works, lb. .07½ - —
l.c.l., works lb. .07¾ - .08¼
powd., kgs., works lb. .09 - —

Chloride (see Salt).

Chlorite, tech., dms., works lb. .75 - —

Chromate, bbls., dms., c.l., works, lb. .11¾ - —

Citrate, USP, VIII, bbls lb. .21½ - —
dms. lb. .22½ - .26½
USP XIII, gran., bbls lb. .28 - —
dms. lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.

Cyanate, dms., ton lots, works lb. .75 - —
smaller lots, works lb. .85 - —

Cyanide, 96-98%, dms lb. .17 - .17½

Diacetate, 33-35% acidity, bbls., works lb. .11½ - .12½
anhydrous, dms., works lb. .14 - .15

Sodium fluoride, white, 98%, bbls., c.l., works lb. .10½ - —
l.c.l., works lb. .10¾ - —
95%, bbls., c.l., works lb. .10¾ - —
l.c.l., works lb. .11 - —

Fluoroacetate, 8-oz. tins, 50 to a case, lb., works lb. 12.00 - —
2 to 25 tins to case, works lb. 12.00 -16.50
One oz. tins, 16 to 64 to case, works lb. 16.50 -21.00

Formate, bgs., c.l., dlvd 100 lbs. 7.10 - —
l.c.l. 100 lbs. 8.15 - —

Glutamate, monobasic, kgs. lb. 1.54 - 1.56

Glycerophosphate, NF, flake, bbls., lb. 1.65 - 1.80
powder, bbls. lb. 1.70 - 1.85
solution, 75%, cbys lb. 1.00 - 1.15
50%, cbys. lb. .82 - —

Hydrosulphide (see Sodium, sulphydrate).

Hydrosulphite, dms., c.l., frt. alld. lb. .23 - —
l.c.l., frt. alld lb. .23½ - .24

Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb. .23 - —

Hypophosphite, NF, 50-lb. lots, dms lb. .85 - .88

Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald. 100 lbs. 3.50 - —
l.c.l., same basis 100 lbs. 3.90 - —
pea cryst., bgs., metro area 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.

USP (see Sodium thiosulphate).

Iodide, USP, dms., jars lb. 2.72 2.83

Lactate, edible, 50%, dms., c.l., works lb. .18 - —
l.c.l., dms., works lb. .18¾ - —
tech., 50%, dms., c.l., works lb. .12½ - .15
l.c.l., dms., works lb. .13 - .15¾

Sodium metaborate, octa-hydrate, gran., bgs., c.l., works ton.73.00 - —
l.c.l., works ton.118.00 -123.00
tetrahydrate, c.l., bbls., works, ton.184.50 - —
Sodium metaborate in bbls., $20 per ton higher.

Metal, dms., works lb. .18½ - —
Metanilate, bgs. lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works 100 lbs. 4.25 - —
gran., bgs., c.l., works 100 lbs. 3.25 - —
l.c.l. 100 lbs. 4.35 - 4.60
bbls., c.l., works 100 lbs. 3.65 - —
l.c.l. 100 lbs. 4.75 - 5.00

Molybdate, anhyd., works lb. .51½ - .63

Monohydrate, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —

Naphthionate, bbls lb. .60 - .65

Nitrate, crude, dom., bgs., c.l., works ton.48.50 - —
bulk, c.l., works lb.45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac.whse ton.54.50 - —
bulk, c.l., same basis ton.51.00 - —

USP, dms lb. .21 - —

Nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾ - —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd 100 lbs. 8.90 -11.00

Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l., works, 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75

Oxalate, neut., bgs., works lb. .09½ - —

Pentachlorophenate, briquets, bgs., works, frt. equald lb. .21½ - —
powd., bgs., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 - .24

## Shellac—Sodium Pyrophosphate

Sodium perborate, USP, tech., bbls., c.l., works lb. .18¾ - —
l.c.l., works lb. .19¼ - —

Peroxide, dms., c.l., dlvd, E. or Miss lb. .16 - —
smaller lots, same basis lb. .19 - —

Phenolsulphonate, USP IX, gran., dms lb. .33 - .34
powd., dms. lb. .36 - .37

Phosphate, dibasic, anhyd., bgs., c.l., works 100 lbs. 6.75 - 7.00
l.c.l., works 100 lbs. 7.25 - 7.50
cryst., ngs., c.l., works, 100 lbs. 3.35 - 3.50
l.c.l., works 100 lbs. 3.75 - 3.90

USP, dried, powd., dms., works lb. .20 - .20½

monobasic, anhyd., bgs., c.l., works 100 lbs.10.00 - —
l.c.l., works 100 lbs.12.85 - —

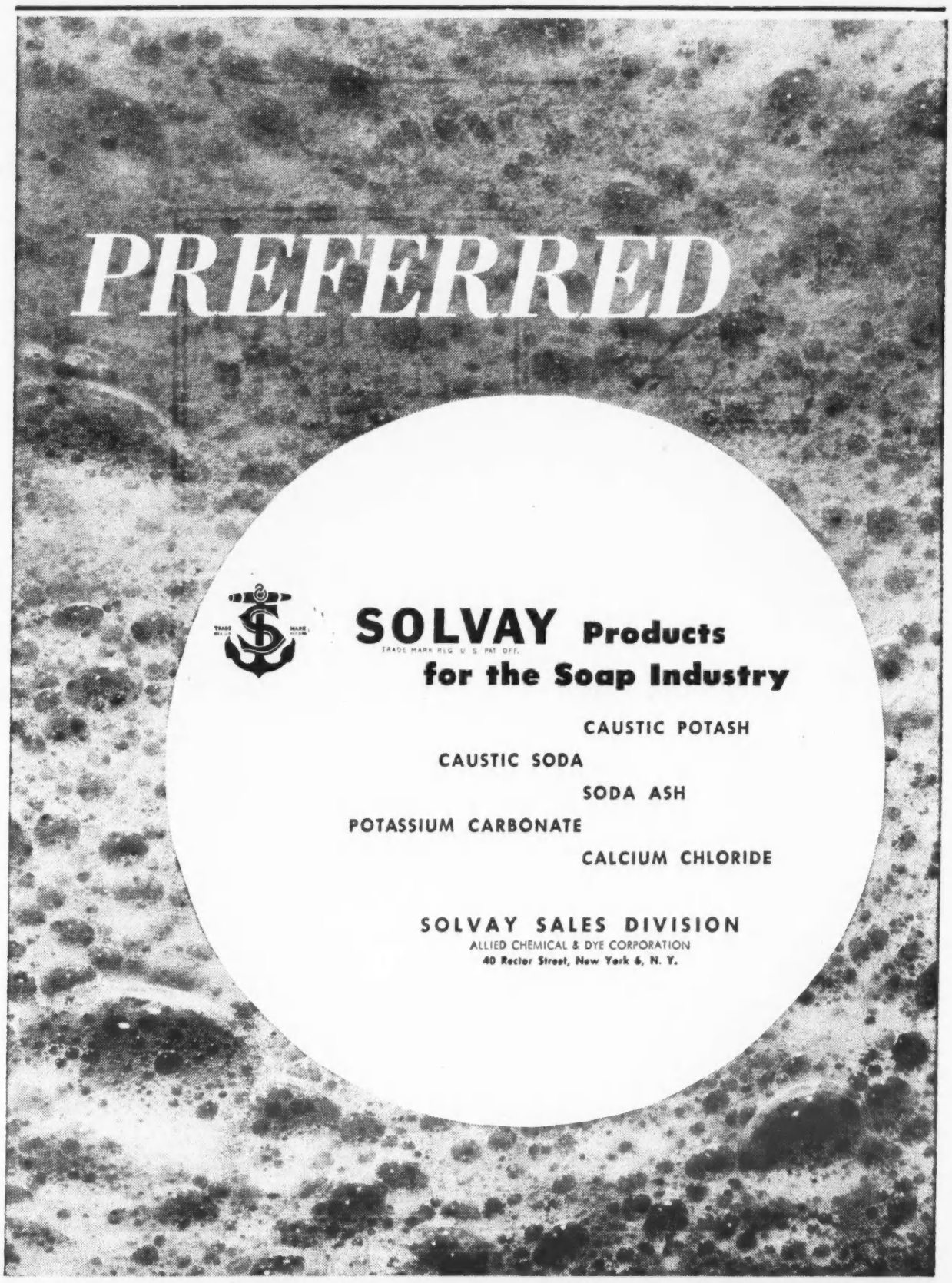
tribasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. No stocks
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.25 - —
Sodium phosphates in bbls., 40c. higher than bgs.

USP (see Sodium phosphate dibasic).

Prussiate, yellow, bgs lb. .12¼ - —

Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs.10.00 - —
l.c.l., same basis 100 lbs.10.50 -10.75
ferric, dms., 1,500 lbs., works, lb. .30 - —
smaller lots, works lb. .31 - —

tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.90 - —
l.c.l. 100 lbs. 7.40 - —

## Sodium Ricinoleate—Talc

Sodium ricinoleate, tech., bbls....lb. No stocks.
Salicylate, USP, dms.....lb. .57 - .60
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
bbls., c.l., works.....100 lbs. 2.45 - —
l.c.l., bgs., dlvd. zone 1. 100 lbs. 3.70 - 4.10
zone 2.....100 lbs. 3.96 - 4.36
zone 3.....100 lbs. 4.25 - 4.65
zone 4.....100 lbs. 4.96 - 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (excluding Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 - —
l.c.l. dlvd .....100 lbs. 5.40 - 5.65
Silicate, 40°, turb'd., dms., c.l., works..100 lbs. 1.00 - —
l.c.l., works.....100 lbs. 1.25 - 1.35
tanks, works .....ton.16.00 - 17.00
52° turbid., dms., c.l., works . 100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - 2.15
tanks, works .....ton.32.00 - —
Silicofluoride, bbls., c.l., works lb. .05 - —
l.c.l., works .....lb. .05½ - 06
Sodium stannate, dms., works, frt. alld. E..lb. .58 - .633
Stearate, tech., bbls., works....lb. .40 - —
USP, anhyd., bbls., works...lb. .51 - .56
Sulphanilate, bbls., works.....lb. .22 - —
Sulphate, NF VII, dried, gran., dms..lb. .14½ - —
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works .....100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls .....lb. .15 - .15½
Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis ...100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald ..100 lbs. 4.00 - —
l.c.l., same basis....100 lbs. 4.50 - 4.75
Sulphite, anhyd., tech., powd. bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis ..100 lbs. 3.25 - 3.75
crystals, bgs., c.l., works.100 lbs. 3.60 - —
l.c.l., works .....100 lbs. 4.00 - —
bbls., c.l., works.....100 lbs. 4.00 - —
l.c.l., works .....100 lbs. 4.40 - —
powd., bbls., c.l., works..100 lbs. 6.50 - —
l.c.l., works .....100 lbs 7.00 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls.....lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l. .lb. .05¾ - —
l.c.l., works .....lb. .06¼ - —
liquid, 45%, basis 100%, tanks, works..ton.95.00 - —
Thiocyanate, CP, dms.....lb. .55 - .65
tech., dms., works.....lb. .30 — —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls.....lb. .10 - .12
Sodium titanate, ctns., c.l., works lb. .10 - —
5 tons, works.....lb. .10¼ - —
1 ton or less, works.....lb. .10½ - .13⅛
Tripolyphosphate, bgs., c.l., works, frt. equald ..lb. 7.50 - —
l.c.l. .....lb. 8.00 - —
Tungstate, tech., bgs .....lb. 1.25 - 1.30
Sodium-ammonium phosphate, bbls., works, frt. equald lb. 23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen, bots., dms., works lb. 5.00 - 5.10
Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .24 - .24½
Sodium-sulpha drugs (see Sulpha name)
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½ - —
l.c.l., works .....lb. .17½ - .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works ..lb. .28 - —
less 1,000 lbs., same basis ..lb. .30 - —
Solvent naphtha, coaltar tanks, works gal. .27 - .3235
high-flash, tanks, works gal. .2500- .3235
petroleum, 100°F. flash, tanks, Baytown, Tex gal. .25 - —
150 F. flash, tanks same basis gal. .25 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots, works .....lb. .33 - —
solution, commercial, aqueous, dms., c.l., works lb. .23¼ - —
ton lots, works .....lb. .24¼ - —
less ton lots, works....lb. .25 - —
regular, 70%, aqueous, dms., c.l., works lb. .16½ - —
ton lots, works .....lb. .17¼ - —
less ton lots, works..lb. .18¼ - —
tanks, works .....lb. .15¾ - —
Soybean meal, 41% bulk, Decatur. ton.61.50 - —
Soybean meal, protein, chemically isolated, 40,000 lbs., works lb. .20 - —
20,000 lbs., works .....lb. .20¼ - —
smaller lots, works.....lb. .20½ - .24
mechanically refined, bgs., 40,000 lbs., works lb. .0575- —
20,000 lbs., works .....lb. .0590- —
smaller lots, works...lb. .0605- —
Sparteine sulphate, cns.....oz. 2.95 - —
Spikenard root, bls. .....lb. .40 - 45
Spruce extract, liq., reg., tanks, works lb. .01¾ - —
powd., super, bgs., c.l., works, lb. .05¼ - —
Squaw vine, leaves, bls .....lb. .35 - .40
Squill, red, fortified, powd., bbls. boxes lb. 1.50 - 1.60
White, bls .....lb. .08 - .10
powd., bbls., bxs.....lb. .14 - .18
St. Ignatius beans, bgs .....lb. No stocks.
St. John's bread, edible, bls.....lb. .17 - .18
Stannous chloride (see Tin chloride, stannous).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.67 - —
l.c.l. .....100 lbs. 5.44 - —
powd., paper bgs., c.l....100 lbs. 5.40 - —
Chicago .....100 lbs. 4.78 - —
l.c.l. .....100 lbs. 5.60 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, dom., bgs., c.l.....lb. .0580- .0613
l.c.l. .....lb. .07½ - —
Rice, bgs .....lb. .10½ - 10¾
Sweetpotato, bgs., c.l.....lb. No stocks.
Wheat, bgs .....lb. .0593- .0608
Stavesacre seed, bgs .....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. .....lb. .35 - .38
Stoneroot, bls .....lb. .07½ - .08
Storax, USP, cs .....lb. 1.50 - 1.60
Stramonium leaves, bgs.....lb. .18 - .23
Seed, bgs.....lb. .20 - .21
Streptomycin, hospitals, vials, gram. .30 - —
wholesalers, vials .....gram. .64 - —
Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, bbls.....lb. .15½ - .16⅛
Chloride, tech., bbls .....lb. .22 - .24
Chromate, bgs., frt. equald ...lb. .43½ - .44
Iodide, jars, 25 lbs .....lb. 3.60 - —
Nitrate, bbls., c.l., works.....lb. .09¼ - —
l.c.l., works .....lb. .10¼ - —
Oxalate, bbls., works.....lb. .42 - .44
Salicylate, NF, dms .....lb. 1.25 - 1.32
Sulphate air-floated, 90% 325 mesh, bbls., works ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 - 2.85
Strophanthin, NF, bots.....oz.39.00 - —
Strophanthus seed, Kombe, bgs lb. 2.00 - 2.25
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs .....oz. 1.14 - —
Sulphate USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works lb. 4.25 - —
Sulphabenzamide sodium, dms., works lb. 4.25 - —
Sulphadiazin, USP, dms., works lb10.25 -10.75
Sulphadiazin sodium, USP, dms., works lb.11.25 -11.75
Sulphaguanidin, USP dms., works, lb. 4.50 4.60
Sulphamerazin, USP, dms., works lb.10.25 -10.75
Sulphamerazin, sodium, USP, dms., works lb.11.25 -11.75
Sulphanilamide, USP powd., bots., works lb. 1.30 - 1.45
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphanilamidoquinoxaline, veterinary, dms lb.20.00 - —
Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 7.30
Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 7.80
Sulphathiazole, USP, powd., dms., works lb. 3.50 4.00
Sulphathiazole sodium, USP, dms., works lb. 3.50 - 4.00
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works .....100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton.18.00 - —
vessel, f.o.b. Gulf ports, export, long ton.22.00 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.69 - —
l.c.l., works.....100 lbs. 1.95 - 2.35
precipitated, USP, bbls., kgs lb. .18 - .30
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works .....100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works.100 lbs. 2.80 - —
l.c.l., works .....100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works, 100 lbs. 3.25 - —
l.c.l., works.....100 lbs. 3.60 - 3.95
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works....100 lbs. 2.40 - —
l.c.l., works .....100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works .100 lbs. 2.70 - —
l.c.l., works .....100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.25 - —
l.c.l., bgs., works .100 lbs. 2.60 - 2.95
Chloride, 55-gal. dms., c.l., works, lb. .03¼ - —
l.c.l., works .....lb. .04¼ - —
10-gal. dms., l.c.l., works.....lb. .08¼ - —
Dioxide, liquid, com'l, cyls., works lb. .10 - —
multi-unit cars, works...lb. .053 - —
tanks, works .....lb. .0465- —
refrigeration, cyls., l.c.l., wks. lb. .16 - —
Sumac bark, 28%, grd., bgs., ex dock ton.85.00 - —
Extract, No. 1, bbls .....lb. .10½ - —
No. 2, bbls .....lb. .09 - —
crystals, bbls. .....lb. .40 - —
stainless, bbls. .....lb. .14½ - —
Leaves, 30%, bgs., ex dock ..ton.88.00 - —
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baltо unit-ton. .76 - .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla..unit-ton. .83 - —

Prices on 48% triple superphosphate in other states and D.C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, bls.....lb. 1.50 - 1.70

## T

Talc, dom., ordinary, grd., c.l., New York, works .ton.21.00 —
l.c.l., works.....ton.22.50 24.50
Calif., bgs., c.l., works....ton.22.00 30.00
Vermont, bgs., c.l., works ton.14.00 —
l.c.l., works.....ton.17.50 - —

TEPCO
FINE CHEMICALS FOR INDUSTRY
SODIUM BENZOATE
U. S. P.
Fine-flaked and free from cloudiness in solution.
NATURAL WOOD METHANOL
Denaturing and anti-freeze grades.
Tennessee Products & Chemical Corporation
General Office: NASHVILLE, TENNESSEE
Eastern Sales Office: 350 Fifth Avenue, New York 1, N. Y.

Talc, dom., fibrous, New York, off-color, grd., bgs., c.l., works ton 24.00 - —
t.c.l. ton 26.50 28.00
88.95-99.95%, grd., bgs., c.l., works ton 21.00 —
t.c.l., works ton 24.50 —
98-99.5%, grd., bgs., c.l., works ton 23.00 -26.00
t.c.l., works ton 27.00 -32.00
imp., Canada, grd., bgs., c.l ton 35.00 -45.00
Tallow, inedible, extra, loose, dlvd. lb. .05 - —
fancy, loose, dlvd lb. .05½ - —
special, loose, dlvd lb. .04½ - —
sulphonated, 25%, dms lb. .06½ - —
50%, dms. lb. .08 - .08½
Tamarinds, bbls lb. .10 - .15
Tankage, animal, teeding, 9-11% ammon., bulk unit-ton. 8.00 - —
Chicago unit-ton. 8.00 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls. lb. .20 - .30
Tapioca flour, high grade, bgs lb. .10½ - .11¼
medium grades, bgs lb. .09 - .09¼
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., works, frt. equald gal. .46 - —
t.c.l., works gal. .49 - —
tanks, works lb. .33 - —
25-28%, dms., c.l., works gal. .53 - —
t.c.l., works gal. .56 - —
tanks, works gal. .45 - —
Tar coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex docs U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton. 225.00 Nom.
Tarragon herb, bgs. lb. .45 - .50
leaves, bgs lb. .85 - .95
Tartar emetic, tech., gran., or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l lb. .24½ —
t.c.l. lb. .25 .25½
NF, cryst., bbls., dms. lb. .90 - .95
powd., bbls., dms lb. .95 1.00
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½ —
t.c.l., South lb. .14 —
tanks, South lb. .13 —
prime, dms lb. .55 - .60
Terpinglycol ether, dms., c.l., works, lb. .19½ —
t.c.l., works lb. .20 —
tanks, works lb. .19 —
Terpinyl acetate, extra, cns., dms. lb. .63 - 1.03
prime, cns., dms lb. .55 - .95
Terra alba (see Gypsum).
Testerone propionate, USP, 100 gms. gm. 6.00 - —
Tetrachloroethane, dms., works lb. .05 .05½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½ - .21½
smaller dms., works lb. .23½ .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works, lb. .70 - —
Pyrophosphate, dms., works lb. .60 - —
Tetraethylenepentamine, dms., c.l., works lb. .51½ - —
t.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb. 15.00 -17.50
Theobromine, bots., kgs lb. 5.25 —
Salicylate, fib. dms lb. 5.00 - 5.25
with sodium acetate, USP, fib. dms lb. 4.00 - 4.45
Sodio-Salicylate, fib. dms lb. 3.15 3.50
Theophylline, USP, bots., kgs lb. 7.50 - 7.65
Thiamine hydrochloride, USP, dms., 100 grams kilo. 160.00 - —
Thiocarbanilide, dms lb. .34 - .35
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
t.c.l., dms., works lb. .44 - —
Thorium nitrate, cs., works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs lb. .17 - .17½
futures, bgs lb. .14½ - .15
Spanish, bls lb. .09½ - .10
Thymol, USP, kgs lb. 3.65 - 3.75
Iodide, NF, dms. lb. 6.50 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms lb. .88 - .89
Crystals, hydrous, bgs., bots., works lb. .71½ - —
Metal, Bolivian lb. 1.03 - —
Straits lb. 1.03 - —
Oxide, bbls. lb. 1.01 1.02
Tetrachloride, anhyd., dms., wks. lb. .60 .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd lb. .19½ - —
t.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½ - —
t.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .06¼ - —
t.c.l., works lb. .06½ - —
milled, bgs., c.l., works lb. .06½ - —
t.c.l., works lb. .06¾ - —
nonchalking, bgs., c.l., dlvd. E. lb. .21½ - —
t.c.l., dlvd. E lb. .22 - .22½
Hydride, cns., works lb. 7.00 8.00
Pigment, calcium-rutile base, bgs., c.l., dlvd lb. .07½ - .07¾
t.c.l., dlvd lb. .08 - .08¼
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., t.c.l., ex whse, ½c. higher.
Tetrachloride, CP, 55-gal. dms lb. .54½ - .55
smaller, pkgs., works lb. .65 1.22
technical, 5-gal. dms., works lb. .72 - —
smaller pkgs., works lb. .40 1.00
Tolu balsam, cns lb. 2.60 - 2.75
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethelehem, Pa. gal. .24½ —
Birmingham, Ala. gal. .23¼ - —
Chicago district gal. .26½ - —
Cleveland district gal. .26 - —
Dangerfield, Tex. gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa. gal. .23 - —
Lackawanna, N. Y. gal. .26 - —
Philadelphia, Pa gal. .27 - —
Pittsburgh district gal. .23 - —
Sparrows Point, Md gal. .24½ - —
St. Louis, Mo gal. .28 - —
Syracuse, N. Y. gal. .23½ - —
Terre Haute, Ind. gal. .28 - —
Woodward, Ala gal. .25 - —

Toluol, coaltar, industrial and nitration, tanks, works,
Wyandotte, Mich. gal. .27 - —
Youngstown, Ohio gal. .23½ - .25
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Buffalo, N. Y. gal. .28 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va gal. .25½ - —
Wood River, Ill gal. .27 - —
Tonga, 50% bark and vine, bls. lb. .80 - .95
Tonka beans, Angostura, cks lb. 1.75 1.80
Brazilian, cs lb. .85 - .90
Surinam, cs. lb. .85 - 90
Toxaphene, dms., works, c.l lb. .24 - —
truckloads, works lb. .24 - —
ton to truckloads, works lb. .27 - —
less than tons, works lb. .30 - —
Totaquine, USP, 100-oz. lots oz. .52 - —
Triacetin, dms., works lb. .38½ - .43
Tributyl citrate, dms lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. alld lb. .56½ - —
t.c.l. lb. .57½ - —
smaller containers lb. .71 - —
Tributylamine, dms., c.l., works lb. .78 - —
t.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld or equald lb. .10 - —
t.c.l. lb. .11 - —
tanks lb. .08½ - —
Trichloroethane, dms., c.l., wks. lb. .12 - —
t.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1 lb. .10½ - —
Zone 2 lb. .11 - —
Zone 3 lb. .11½ - —
zone 4 lb. .11¾ - —
Trichloroethylene dm., c.l., prices ½c. higher t.c.l. 1½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .38 - —
t.c.l., dlvd lb. .39½ - —
tanks, dlvd lb. .37 - —
petroleum, dms., c.l., dlvd lb. .38 - —
t.c.l., dlvd lb. .39½ - —
tanks, dlvd lb. .36½ - .37
Triethanolamine, dms., c.l., trt. alld. E lb. .23 - —
t.c.l., same oasis lb. .24 - —
tanks, same basis lb. .21½ - —
Triethyl citrate, dms lb. .34 - .36
smaller containers lb. .39 - .45
Phosphate, dms., works, c.l lb. .38 - —
dms., t.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l. frt. alld. E lb. .20½ - —
t.c.l., same basis lb. .21½ - —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½ - —
t.c.l., works lb. .52 - —
tanks lb. .50 - —

## Talc, Domestic Fibrous—Tyrothricin

Trimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .38 - —
t.c.l., works, basis 100% lb. .38½ - .39
tanks, works, basis 100% lb. .33 - —
Tripentaerythritol, bgs., t.c.l., works. lb. .37 - .39
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
t.c.l., frt. equald lb. .32 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli air-floated, bgs., c.l., works. lb. .0175 - —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tryptophane, dextro-laevo, fib. ctns., works kilo. 207.00 -242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 4.75 - —
Oxide, kgs, works lb. 2.85 - —
Tumeric root, Alleppey, bls, futures, lb. .30 - .31
Haitian lb. .11 - .11¼
Madras, bgs. lb. .20 - .21
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ref. dms., East gal. .50 - —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 - .53
t.c.l., same basis gal. .41 - .53
N. Y. whse gal. .55 - —
steam-dist., dms., incl., c.l., works gal. .58 - —
t.c.l., ex whse., NYC gal. 64 - —
tanks, works gal. .24 - —
Tyrothricin, bots., gram. 1.15 - 1.25


# All is not Gold . . .

**"DOC" MacGEE SAYS:** Appearances are often deceiving; things aren't always what they seem to be. Yet, sooner or later, truth will out; the genuine article outshines the imitation.

That's why, year after year, more and more users of industrial naphthas switch to SKELLYSOLVE. For nearly 20 years, SKELLYSOLVE has proved its ability to help save money, improve operations, and produce better products in various industrial fields using naphthas.

Pioneering in the large-scale production of the hexane, heptane, and octane type naphthas from natural gas, Skelly Oil Company today produces a complete, comprehensive line of specialized solvents of exceptional quality.

Uniformity, purity, close boiling ranges, minimum of unsaturates and aromatics, freedom from foreign tastes and odors, dependability of supply . . . these are SKELLYSOLVE qualities that are widely imitated but seldom matched. So why bother with something claimed to be "just as good as" or even "better than" SKELLYSOLVE.

All too often, the risk is too great to use anything but genuine SKELLYSOLVE. So join the growing numbers of purchasing agents, chemists, superintendents, and managers who say, emphatically, "I want the finest; I want the proved; I want the one and only SKELLYSOLVE!"

# Skellysolve

SKELLY

SOLVENTS DIVISION, SKELLY OIL COMPANY, KANSAS CITY, MO.

**Urethane, USP—Yeast, Brewers'**

## U

Urethane, USP, dms ..... lb. 1.75 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs ..... lb. 2.55 - —
yellow, kgs. ..... lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04½- —
l.c.l., works ..... lb. .05 - —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ..... ton.94.00 - —
46% N, bulk, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ..... ton.103.00 - —
paper bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ..... ton.98.00 - —
40 tons, frt. alld. Colo., Mont., Wyo., and west ..... ton.107.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va. ..... ton.125.00 - —
C and D grades, same basis, ..... ton.123.50 - —
Uva ursi leaves, bls ..... lb. .11 - .12

## V

Valerian root, Belgian, NF, bls lb. .37 - .40
Indian, bls. ..... lb. .32 - .34
Valine, dextro-laevo, dms., works.lb.22.50 -27.50
Valonia beards, bgs., ex dock ..... ton. No stocks.
Cups, bgs., ex dock ..... ton.90.00 Nom.
Extract, powd., bgs., ex dock, duty extra lb. .14½Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works ..... lb. 1.20 - —
Vanilla beans, Bourbon, tins ..... lb. 4.25 - 4.75
Mexican, cuts, tins ..... lb. 4.25 - 5.00
whole, tins ..... lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs. lb. 4.00 - —
smaller lots ..... lb. 4.05 - —
ex guaicol, tins, 25 lbs. ..... lb. 3.00 - —
smaller lots ..... lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots ..... lb. 3.00 - —
smaller lots, tins ..... lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½- .17½
5-gal. cns., works ..... lb. .30 - —
tanks, works ..... lb. .15 - —
Trichloride (see Trichloroethane)
Ether (see Ether, divinyl).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, bots., 10 billion USP units. mill. units. .025 - —
1 billion USP units mill. units. .03 - —
less than 1 billion USP units. mill. units. .035 - —
Vitamin A, natural, acetate, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm., 1,000,000 units. .47 - —
400,000 to 750,000 A units per gm., same basis, 1,000,000 units. .50 - —
750,000 to 1,000,000 A units per gm., same basis, 1,000,000 units. .51 - —
A, natural, alcohol, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm., 1,000,000 units. .44 - —
400,000 to 750,000 A units per gm., same basis, 1,000,000 units. .47 - —
Vitamin A, natural, alcohol, bots., cns., dms., lots of 750,000 to 1,000,000 A units per gm., same basis 1,000,000 units. .48 - —
A, natural, concentrates, (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units per gm., 1,000,000 units. .55 - —
A, synthetic, palmitate, 800,000 A units per gm., 1,000,000 units. .55 - —
Vitamins, A concentrate (see Oil, fishliver).
$B_1$ (see Thiamine hydrochloride).
B$_2$ (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin $B_6$ (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D$_2$ (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see M)
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

## W

Wahoo root bark, bls. ..... lb 1.80 - 1.85
Tree bark, bls ..... lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.83.00 - —
merchantable, bgs., ex dock ton.80.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08½- —
tanks, works ..... lb. .08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .09½- .09¼
S. Afr., 62% tannin, ex dock, duty extra lb. .09½- .09¼
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs. ..... lb. .52 .55
Bees, bleached, USP, white, bricks, cs. lb. .69 - .70
slabs, bgs. ..... lb. .67 - .68
crude, African, bgs ..... lb. .50 - .51
western hemisphere, bgs lb. .53 - .54
refined, yellow, bricks, cs. ... lb. .59 - .60
slabs, bgs. ..... lb. .57 - .58
Candelilla, crude ..... lb. .45 - .48
refined, bgs. ..... lb. .50 - .53
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots lb. .68 - .69
North Country, No. 2, ton lots lb. .80 - .82
No. 3, crude, bgs., ton lots lb. .76 - .78
refined, bgs., ton lots ... lb. .80 - .82
yellow, No. 1, bgs., ton lots lb. 1.04 - 1.06
No. 2 ..... lb. 1.02 - 1.04
Powdered carnauba price same as powdered candelilla. differentials
Ceresin, dom., 132°-136° m.p., bgs lb. .16 16½
138°-140° m.p., bgs. ..... lb. .18 18½
158°-162° m.p., bgs. ..... lb. .22 .23
Japan, bgs ..... lb. .06 Nom.
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 30 tons yearly contract, group 3, works lb. .14¾ —
smaller lots, same basis lb. .15 .16
black, ctns., 30 tons, same basis lb. .13¼ —
smaller lots, same basis lb. .13½ 14½
170°-175° m.p., ASTM, white, ctns., 30 tons, same basis, lb. .25¾ —
smaller lots, same basis lb. .26 27
190°-195° m.p., ASTM, amber, ctns., 30 tons, same basis, lb. .21¼ —
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis lb. .19¾ —
smaller lots, same basis lb. .20 .21
white, ctns., 30 tons, same basis lb. .34¼ —
smaller lots, same basis lb. .34½ 35¼
Montan, crude, bgs. ..... lb. .28 - .30
Ouricury, crude, bgs., ton lots lb. No stocks.
refined, bgs., ton lots ..... lb. .78 - .80
Ozokerite, fabricated, black, 185-190 m.p., bgs lb. .36 - .38
132-133 m.p., bgs ..... lb. .31 - .33
171-172 m.p., bgs ..... lb. .27 - .29
white, 178-183 m.p., bgs. ... lb. .33½ - .34½
170-172 m.p., bgs. ..... lb. .28¾ - .29¾
yellow, 180-190 m.p., bgs lb. .48 - .50
182-183 m.p., bgs. ..... lb. .43 - .45
178-183 m.p., bgs. ..... lb. .26½ - .27½
170-172 m.p., bgs. ..... lb. .23¾ - .25
Spermaceti, blocks, cs. ..... lb. .33 - .34
cake, cs. ..... lb. .34 - .35
White lead (see Lead, white).
White pine bark, rossed, bls. ... lb. .17 .20
White precipitate, USP, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons St. Louis, works ton.11.00 - —
40 tons, N. Y. whse. ... ton.19.00 - —
smaller lots, St. Louis, works ton.13.50 - —
wet-grd., air-floated, 99%, 325 mesh, bgs., c.l. ton.14.50 -27.50
200 mesh, bgs., c.l. ton. No prices
90% 200 mesh, bgs., c.l. ton No prices.
water-floated, extra gilders, bgs., c.l. ton.14.50 - —
gilders, bgs., c.l. ..... ton. No prices.
putty grade, bgs., c.l. ton.13.00 - —
surface treated, bgs., c.l., Ohio works ton.30.00 - —
Paris white, bgs., c.l. ..... ton.25.00 -31.00
l.c.l. ..... ton.25.00 -29.00
Precipitated, bgs., c.l. ..... ton.18.00 -20.00
l.c.l. ..... ton.22.00 -25.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
rossed, bls ..... lb. No prices.
thin, natural, bls. ..... lb. .16 - .17
rossed, bls ..... lb. .24 - .25
Wild indigo root, bls. ..... lb. .30 - .31
Wild yam root, bls. ..... lb. .16 - .17
Witen hazel leaves, bls. ..... lb. .15 - .16
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis ..... ton.40.00 - —
60 mesh, bulk, c.l., same basis. ton.37.00 - —
l.c.l., same basis ..... ton.45.00 - —
80-100 mesh, bulk, c.l., same basis. ton.40.00 -45.00
l.c.l., same basis ..... ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs. ..... lb. .15 - .16
Levant, bgs ..... lb. 4.15 - 4.25
Wormwood, leaves, bls ..... lb. .40 - .45

## X

Xanthorrhiza root, bls. ..... lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ret. dms., c.l., works, frt. equald lb. .21¾- —
l.c.l., same basis ..... lb. .22¾- —
tanks, same basis ..... lb. .21 - —
45°, dms., l.c.l., frt. equald ..... lb. .24 - —
fractions, ret. dms., c.l., same basis gal. 1.41 - —
l.c.l., same basis ..... gal. 1.44 - —
tanks, same basis ..... gal. 1.30 - —
Xylidins, mixed, dms ..... lb. .45 - .50
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa ..... gal. .26 - —
Birmingham, Ala. ..... gal. .23¼- —
Chicago district ..... gal. .26½- —
Cleveland district ..... gal. .26 - —
Dangerfield, Tex. ..... gal. .27 - —
Hamilton, Ohio ..... gal. .25 - —
Johnstown, Pa. ..... gal. .24 - —
Lackawanna, N. Y. ..... gal. .24 - —
Pittsburgh district ..... gal. .23 - —
Sparrows Point, Md. ..... gal. .26 - —
St. Louis, Mo ..... gal. .28 - —
Syracuse, N. Y. ..... gal. .23½- —
Terre Haute, Ind. ..... gal. .28 - —
Woodward, Ala. ..... gal. .25 - —
Wyandotte, Mich. ..... gal. .27 - —
Youngstown, Ohio ..... gal. .23½- .25
Petroleum, industrial, 10°, tanks, works:—
Albany, N. Y. ... gal. .28 - —
Bayonne, N. J. ... gal. .28 - —
Baytown, Tex. ... gal. .25 - —
Buffalo, N. Y. ... gal. .28 - —
Chicago, Ill. ... gal. .27 - —
Detroit, Mich. ... gal. .28 - —
Philadelphia, Pa. .. gal. .28 - —
Providence, R. I. ... gal. .28 - —
Sewall's Point, Va. .. gal. .25½- —
Wood River, Ill. ... gal. .27 - —

## Y

Yara, yara, cns. ..... lb. 2.00 - 2.25
Yeast brewer's dry, USP, 50 B units, per gram, 100-lb. dms. .lb. .44 - .46
80 B units, per gram, 100 lb. dms. .lb. .49 - .51
500 B units, per gram, 100 lb. dms. .lb. .53 - .55
250 B units, per gram, 100 lb. dms. .lb. .57 - .59

←Continued on page 70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THE HARSHAW CHEMICAL CO.
1945 East 97th Street, Cleveland 6, Ohio
BRANCHES IN PRINCIPAL CITIES

Petrolite

Crown Quality MICROCRYSTALLINE WAXES

*are characterized by*

**HIGH MELTING POINTS**
**READY EMULSIFICATION**
**PURITY AND UNIFORMITY**

**New Refining Developments Have Rendered These Waxes COMPLETELY ODORLESS AND TASTELESS**

Crown Quality

**200**
**500**
**700**
**1035**
**23**
**36**

A quality wax offering substantial price savings where light coloration is not essential. High melting point.

A characteristically hard, high melting point, low oil content wax; useful in paste polishes. Odorless and tasteless.

A wax with a slightly higher melting point, greater hardness and without odor. Excellent as an additive to paraffin and amorphous type waxes to harden or raise melting points. A fine product for paper manufacturers.

Petrolite 1035 is the finest microcrystalline wax available. Its extremely high melting point of 195 to 200°F and penetration of 2 Maximum make it a unique product. This wax is widely used in many of the finest paste and emulsion polishes. Odorless and tasteless.

The Petrolite EMULSIFIABLE WAXES differ from the above waxes principally in the fact that they are saponifiable. Essentially they possess the same glossiness, hardness and high melting points.

Having appreciable acid and saponification values, they emulsify readily when combined with the common emulsifying agents. These waxes are very useful in the no rubbing polish field.

| Crown Quality | Melting Point °F | Pen. With 100 Grams | Color N.P.A. | Odor |
|---|---|---|---|---|
| 200 | 185/190 | 10 Max. | Brown | None |
| 500 | 185/190 | 10 Max. | 2½ Max. | None |
| 700 | 190/195 | 5 Max. | 2 to 2½ | None |
| 1035 | 195/200 | 2 Max. | 2 to 2½ | None |

## ADVISORY SERVICE

*Petrolite technicians and laboratory facilities are available on any problem involving special applications of Petrolite Waxes. Samples and details are yours for the asking. Just write or call.*

**SPECIFICATIONS**

| Crown Quality | Melting Point °F | Pen. With 100 Grams | Color N.P.A. | Acid Number | Sap. Number |
|---|---|---|---|---|---|
| 23 | 180/185 | 6 Max. | 4½ to 6 | 20 to 25 | 55 to 65 |
| 36 | 180/185 | 8 Max. | 5½ to 8 | 30 to 35 | 85 to 95 |

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# Oil, Paint & Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed 1900-1942, by Harry J. Schnell
Incorporating Drug Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, New York Druggists' Price Current, The Soap Makers Journal, Oil and Paint Review, and International Petroleum Reporter.
Member of Audit Bureau of Circulations

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SCHNELL PUBLISHING COMPANY, INC.
WILLIAM S. AUCHINCLOSS, *President*
59 John Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9820; Cable Address: Reporter, New York

Volume 155 April 18, 1949 Number 16


## *U. S. Role in World Trade*

Publication of a businessman's concepts of the plan, purpose, processes, and potential consequences of the proposed International Trade Organization is begun on page 5 of this issue of Oil, Paint and Drug Reporter. This commentary should be read in conjunction with that of the Department of State, which appeared in several issues of the Reporter some three months ago. To arrive at an individual basis of evaluation, the draft of the ITO charter also should be read, because the subject has that characteristic common to all controversial matters of having three sides—the pro side, the con side, and the right side. The project is entirely too big to be dismissed without mature judgment or to be accepted without at least as much study and interpretation.

Much that has been said in favor of the ITO charter is pure wishful thinking. Many of the objections to it derive wholly from groundless or far-fetched fears. The matter must be worked out to a satisfactory compromise; because, if there is to be one stable world, there must be world-wide national economic stability, and if that condition is to be attained, the United States must contribute to it in proportion to its ability. It goes without saying that world-wide economic stability must be planned: it cannot be self-created; it will not just grow. Those who ask why the United States which, because of its more or less free system of enterprise, has been able to support a great part of the world, should commit itself to the principles of planned economy, miss the point. The role of this nation, which they adduce, is an obligatory one. The only way in which the United States can be relieved of that obligation is by helping the world to become self-supporting. Its contribution to that achievement would be far less costly than the task of continuing to support the world.

The United States has never had a world position. Its commerce has not been adjusted to the cogs of world trade. It has never accepted the wisdom of not endeavoring to be self-sufficient in all things. That has been the philosophy of the major world-trading nations which recognized the fundamental fact that world trade must operate in a two-way channel. Those who now speak of "the fattest of all national prizes—the export industry," do not recall the losses met in exports after World War I wholly because of failure to grasp the fact that exports must almost wholly be paid for by imports.

The pending ITO charter has as many faults of ambiguity and implication as are to be found in the average statutory utterance of Congress. For that reason alone its approval at this time is to be opposed. It requires phraseologic revision, but it is not fundamentally a threat to or an invasion of the sovereignity of this nation beyond the concessions essential to the assumption by the United States of its rightful, largely obligatory role in world affairs. The fact must be accepted that the United States cannot continue to adhere to its historical policy of commercial economy if it is socially and politically to be what it must be for the economic stabilization of the world. And a choice must be made.

## *Paint for Prettying*

The paint industry has launched a national advertising campaign for the promotion of trade sales of its many products. It has also inaugurated, with more than the usual vigor, its customary activity in the well known national Spring cleaning and prettying compaign. It has hopes in both directions.

Trade sales of paints and related products in 1948 were but 2 percent larger in value than those in 1947. The cost of paint materials increased almost ten times that much over the year. Although there have been reductions in prices of various groups of such materials this year, the response of manufacturing consumers has been reported to be disappointing. Trade sales of the finished products in January were off 11 percent in value from those in the same month last year, and over the three months ended January 31, they averaged more than 6 percent below the values of a year earlier.

The need for painting of homes and other buildings is distressingly apparent in all parts of the country. In many places the observer is forced to the conclusion that the community has lost, at least, a large part of its interest in its appearance, wholly aside from the capital depreciation that is inevitable from neglect of the protection afforded by paint and related coatings.

It is difficult to evaluate the relative effectiveness of appeals by way of appearance and of those stressing protection in the promotion of the use of paints. But, at least, the public fancy is more responsive to "paint up" than it is to "save the surface." The manifestations of community interest in the clean-up campaigns as a whole are convincing in that respect. It would seem, then, that the promotion of rivalries among communities by way of paint-up contests might beneficially be extended throughout the year and continued from year to year.

There certainly is room for much improvement in the "faces" or "complexions" of the homes and of towns as a whole—of the United States. There is no reason to believe that the apparent apathy of house-dwellers and townsfolk at large toward the drabness of their surroundings is an antipathy for brightness—a sort of photophobia or chromophobia.

Many communities themselves would welcome an opportunity to strive to be the "brightest burg in Bustlevania" or the "prettiest place in Pennsolina." The officials and the businessmen know that such a reputation is much more than a veneer. They could be enlisted for prizes and even for funds in a well-planned, well-conducted year-round program of making and keeping their surroundings fit to be seen in.

## *High-Pressure Buying*

It may be but a concomitant of the reported arrival of the so-called "buyers" market. But, there is a timeliness and an interesting aspect, perhaps there is even some significance, about the latest Robinson-Patman prosecution undertaken by the Federal Trade Commission. The noteworthiness of this action derives from the fact that it is a suit charging a grocery chain with unlawfully inducing sellers of grocery products to grant it discriminatory prices. The complaint is based on some sort of coupon plan, under which suppliers reimbursed the chain for goods given as premiums with other purchases of specific value. The plan is alleged to have been in violation of section 2 (f) of the act.

In the early days of the antitrust laws, inducing—"pressuring" is the more modern term—favors in prices, freight concessions, rebates, and so on was one of the major targets of prosecution. It proved a vulnerable point for attacks on several real trusts. A return to that philosophy of competitive fair play could do much to remedy a number of things that irk small business.

It is economically sound and socially desirable that the big buyer get a better price than the so-called "competitor" who, for some reason or another or none, does his purchasing on a hand-to-mouth scale. Bigness in business, of itself, is good for the national economy—commercially, socially, and politically. It can get out of hand, and it does. But, it still costs less than many forms of the business smallness that has become a prime fetish of a nation which prides itself upon being the biggest in this, that, and several other things. But, the bigness of business must be soundly and honestly constructed. Everything that makes for it must be open and above board—and available to everybody who is in position to take advantage of it. That is what the Robinson-Patman act is intended to assure.

It is economically unwise to pamper small business, because the commercial aspects of the national economy should not be given preference over its social aspects. But, it is economically dishonest to penalize small business beyond the measure of its own inadequacies. While its opportunities properly should be commensurate with its abilities, it should have a full chance to do whatever it can.

That law-enforcement is honest which encompasses all parties to an illegal act. It is also effective—even the prohibition law would have worked if buyer, as well as seller, could have been prosecuted thereunder. It is good that FTC undertakes to lay the law upon a buyer seeking illegal favors; the seller who grants them should not be exempted.

## *Washington Talks*

—*Continued from page 5*

these costs rose more than prices received. From 1935-39 through 1947, prices received by farmers rose more each year than did prices paid by farmers for fertilizer.

However, this "leveling off" in the price advantage of farm products relative to fertilizer, the department stated, is not the only basis for farmers to plan their use of fertilizer ahead for the year. The important thing is to select the right fertilizers and use them in quantities that will give greatest returns. For some types of fertilizers, including both phosphate and potash, there is not only the question of the most profitable rate for the crop on which they are applied directly, but also of the value of the carry-over effect on crops that follow.

Fertilizers are still in short supply relative to what farmers would use, if available, at present price relationships. It is estimated that the deficit of fertilizers for 1948 was about two-thirds as great as that for 1947. Fertilizer supplies (plant nutrients) made available and used by farmers in 1948 were more than 2.5 times the average consumption in 1935-39, and well above that for any previous year.

### Pay Bills in Congress

The house has done something almost unprecedented. Three and a half months after the session opened, it has passed every one of the regular annual appropriation bills, as well as a deficiency appropriation bill and a supplemental appropriation bill.

It is not at all clear why the big rush is on to dispose of the supply bills ahead of everything else this year. Probably it is to give the house time to play around with the other legislation on the Truman program or to avoid breaking in on the debate on some of the hotter subjects, such as civil rights, Taft-Hartley, wage-hour, and so on.

In the past it has always been that the final appropriation bill was just squeezing through ahead of the June 30 fiscal year deadline. Sometimes it didn't make it, and department employees were given the jitters waiting for the day they would be paid. Of course, the departments are not out of the woods yet, because the senate still has to act on the bills and at the rate the senate is moving it is not improbable that some of them may be caught in the yearend jam.

### Military Contract Renegotiation

Accounting principles to be used in determining what business performed under military contracts is subject to renegotiation and the costs which may be allowed under such contracts have now been issued by the National Military Establishment.

These principles are given in part 423 of the Military Renegotiation Regulations, which is the third part of the regulations to be issued under the renegotiation act of 1948. The first two parts, numbered 421 and 422, were issued in December.

In issuing part 423, it was stated that the principles and procedures of the renegotiation act of 1944 were followed insofar as they apply to present economic conditions. Studies are under way to determine the necessity for changes in the application of the 1948 act in the light of new conditions.

### Pyrethrum Substitute Studied

The recent announcement of the Department of Agriculture that its scientists have been able to develop a chemical substitute that will do nearly everything that pyrethrum does, and maybe more, may prove to be the biggest news in the insecticide field since the wartime development of DDT. From the standpoint of a continued market in this country for pyrethrum, it would appear that the end of that market may be in sight.

There haven't been very many details made public as yet on the chemical substitute, but it can be said that it is not a very difficult product to produce and should not be a costly undertaking by anyone who might desire to venture into the field. There are no figures on probable cost of production, but neither, it is said, is there reason to believe that the costs would be excessive.

In their usual cautious way, the department's scientists refuse to venture too far into the field of speculation as to the commercial possibilities of the discovery, saying that much work still needs to be done to appraise its usefulness, but it is a known fact, nevertheless, that they consider their discovery to be a very big development in the field of insecticides and an important step toward making this country less dependent upon foreign sources of pyrethrum supply.

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**3.** Staphylococcic infections, without bacteremia: such as, acute and chronic osteomyelitis, carbuncles and soft tissue abscesses, cavernous and lateral sinus thrombosis, pneumonia and empyema, carbuncle of the kidney, wound infections.

**4.** Other infections, due to penicillin-sensitive organisms, without bacteremia.

**5.** Acute gonorrhea.

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# Heavy Chemicals

Lead nitrate was priced lower last week as a result of the recent decline in the metal. The western delivery price of powdered zinc sulphate was lowered to a parity with eastern shipments. The nonferrous metals uncovered lower prices for copper and zinc but the buying power did not increase sufficiently to create any unusual degree of confidence in the stabilization of prices of these metals at present levels. Meanwhile, purchases of copper sulphate and zinc sulphate have been materially curtailed regardless of the rapid approach of the agricultural season.

Tonnage sales of industrial chemicals have continued to slant downward. According to trade estimates, sales are averaging about 25 percent below those of a year ago at this time. The current buying power is concentrated almost entirely upon quantities representing actual wants with inventories being reduced to accommodate requirements in many instances. In the meantime, producers' stocks are increasing and it was apparent that additional cutbacks in output may be necessary to prevent overflow of supplies in certain lines. Maintenance of high producing costs have contributed a steadying influence on prices and aside from resales and small lot quantities there has been no evidence of price shading.

Oxalic acid was available for prompt shipment from producers for the first time in ten years. Production of nickel based chemicals has shown improvement and at present it looks as though demand may be leveled off by the middle of next month. Chlorine stocks were not excessive, but continued available for prompt shipment. There was no shortage in sight for caustic soda or soda ash or for chemicals affiliated with these bases. The potash chemicals were all in good supply shape. There was plenty of acetic, muriatic, nitric and sulphuric acids around to meet consumming requirements. Anhydrous ammonia was short in tanks but free in cylinders.

Paper production based on a percentage of six-day capacity was 87.6 percent for the week ending April 9, according to the American Pulp and Paper Association. This compared with 87.0 in the preceding week and 102.4 for the corresponding week in 1948.

**Ammonia, Anhydrous** — While tankcar shipments have continued tight, there appeared to be no shortage of cylinders at the present time. It is stated that sizable quantities of this material are still being taken for the manufacture of nitrogen solutions.

**Ammoniac Sal**—Production has leveled off demand for white granular and the market has attained a satisfactory degree of balance. Stocks are available to meet additional requirements of the consuming trades.

**Ammonium Bicarbonate** — Demand of seasonal dimensions is reaching the market from the cracker bakeries. Stocks, while not excessive, are meeting requirements without difficulty at former price levels.

**Case Hardener** — Priced at 10½c. per pound in drums f.o.b. the works for granular 30 percent sodium cyanide. Stocks sufficient to permit prompt shipments.

**Chlorine** — Conditions did not change materially in this market last week. Only spotty improvement could be noted in demand with no important drain on stocks. Inquiries for water treatment are increasing and forecast a seasonal expansion in sales in the near future.

**Copper Sulphate** — New business for agriculture remained definitely slow last week. Buyers appeared content to await the effect of the decline in the copper market. Industrial demand also showed signs of relaxing further. Export inquiry was somewhat better with Spain and Mexico showing increased interest. A sale of about 200 tons was said to have been made to the former country. At the close the market was soft with lower prices expected this week.

Production of copper sulphate in the United Kingdom in February amounted to 4,055 tons bringing the total for two months to 7,151 tons. Output last year for the same period was 5,340 tons.

**Lead Nitrate**—Priced lower under reduced producing costs occasioned by the late decline in pig lead. Technical is now offered at 20¼c. per pound in carlots and 20½c. in smaller quantities in barrels f.o.b. the works.

**Nickel Chloride**—While short shipments are still being made, gradual improvement in the supply position can be noted. It is expected the market will be brought into balance within the next few weeks.

**Nickel Sulphate** — Progress has been made in leveling off requirements for the plating trade. Shipments are still running behind schedule but at present it looks as though demand will be leveled off by the middle of next month.

**Potash, Caustic** — Demand relatively quiet last week. Stocks of dry forms and liquid have continued available for immediate and prompt shipments. It was stated that the principal demand at present is for liquid from the soapmakers who are content to purchase for actual requirements.

**Potassium Carbonate** — Stocks reported adequate to meet current wants which are not too extensive. Chief inquiry is for glass specialty manufacture but even here demand is not as active as noted earlier in the year. Prompt shipments of both solid and liquid have continued available.

**Potassium Chlorate** — Movement was fairly brisk last week. Demand from the match factories has shown improvement although sales are running slightly below normal for this period of the year. No extensive backlog orders exist at the present time.

**Potassium Perchlorate**—Buying interest has relaxed for this material and it looked as if the fusee requirements had been leveled off. Reasonably prompt shipments are now available at former prices.

**Soda Ash** — Stocks of both light and dense ash are fully adequate to meet the current extent of consuming demand and then some. Inquiry from the major consuming industries has remained off and there is no indication at present as to when improvement can be expected. It is stated there has been scarcely any interruption to the relaxation of demand since the beginning of the year but in March and in April to date, the slowdown has been quite pronounced.

**Soda, Caustic** — Market conditions are similar to those noted in soda ash. Stocks are meeting requirements readily and producers are looking for new business covering immediate, prompt or future wants. The dry and liquid forms are available in large and small quantities.

**Tin Chloride, Anhydrous** — In manufacturing quarters, it was stated that the order removing restrictions governing the sale of this chemical without government authorization was misinterpreted. Tin chloride anhydrous may be sold for any purpose without government authorization except to make items specified in paragraph 338.9 appearing in the Federal Register March 24. This includes advertising specialties, art objects, emblems, jewelry and other items of this character.

**Zinc Cyanide** — Priced at 41¼c. per pound in drums f.o.b. the works. Demand for case hardening, heat treatment of steel and other metal uses confined chiefly to current requirements. Stocks meeting demand without difficulty.

**Zinc Sulphate**—Deliveries west of the Mississippi River have been reduced from 8.95c. to 8.50c. per pound or to the same level that powdered has been priced in the East. Demand has remained slow with buyers operating cautiously for agriculture and waiting the effect of the late decline in the zinc price.

## Acids

**Chromic**—Supply conditions have continued to improve and requirements are gradually being leveled off. It was stated that some of the small producers who have been supplying the export trade

*For Late Market Developments, See Page 4*

## *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

Copper, 1⅝c. per lb.
Lead nitrate, 1½c. per lb.
Zinc, 1c. per lb.

**Comparative Price Indexes**

(100 August 1, 1914)

*General Chemicals*

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 230.3 | 230.3 | 232.2 | 208.3 |

*Acids*

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 122.8 | 122.8 | 122.8 | 119.7 |

*(For Current Prices see Page 9)*

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have diverted stocks to the local market owing to the relaxation of foreign demand.

**Formic**—Demand has shown no potent signs of recovering from the relaxation that featured the market during the first quarter. It is stated that current shipments to textile mills do not compare favorably with a year ago.

**Muriatic** — Production has kept this market in relatively free supply. Contract shipments have accounted for distribution of most of the current output but there appeared be plenty of stocks to meet additional wants.

**Naphthenic**—Supply situation has eased since the turn of the month with moderate relaxation noted in the consuming demand. Prompt shipments were available at current price levels.

**Oxalic**—For the first time in ten years this market is practically in a balanced condition. Relaxation in industrial demand principally from the oil and gas stations and increased production were the primary factors in bringing about a normal market situation. Stocks are not free at present but producers are in a position to consider new business calling for prompt shipment.

**Sulphuric** — Stocks have remained in relatively free supply in the local area and immediate and prompt shipments were available. It was stated that contract shipments have continued steady but the call for additional quantities has relaxed to some extent.

## Non-Ferrous Metals

**Copper**—Market condition quiet with prices reduced 1¾c. to 21½c. per pound. Production of crude and refined copper increased substantially in March as a result of the settlement of a prolonged strike at Utah supply points. The Copper Institute estimates output of primary copper by mines at 78,355 tons, an increase of 19,144 tons over the February figure. Refined copper output was 88,165 tons, a gain of 7,890 over March.

Deliveries of refined copper to consuming industries also increased materially. They totaled 113,972 tons in March, an increase of 15,361 tons over the February figure. It was the best monthly total since September, when shipments amounted to

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122,938 tons. Stocks dropped from 83,841 tons to 70,682 tons.

On a world basis production of copper rose from 164,926 tons in February to 197,755 tons in March, and shipments jumped from 172,933 tons to 196,727 tons.

**Copper Scrap**—Production from copper base scrap by brass mills, ingot makers, refiners and chemical plants in the fourth quarter of 1948 totaled 255,917 short tons, according to the Bureau of Mines. This quantity was only 5 percent greater than the lowest output for the year whereas in 1947 production by the same groups ranged from a high of about 311,000 tons in the first quarter to a low of 190,000 in the third.

**Lead**—Some producers look for stabilization around 15c. per pound, although it is admitted that custom smelters may not be able to dispose of stocks at this figure. Bookings today are confined to immediate shipments. It is stated that if lower prices are established it will result in a curtailment of production which might lead to a severe shortage later in the year. The fact that consumers are depending largely on inventories at the present time has given the impression that their stocks may be at rock bottom by the end of the month. A report was current that the government had purchased 4,000 tons of lead at 15c. per pound.

**Lead Scrap**—Recovery of secondary lead, tin and antimony totaled 46,896 tons in December, setting a new high for the industry, according to the Bureau of Mines. Although receipts of scrap at secondary smelter plants dropped 1 percent from the peak established in November, receipts of 61,558 tons and consumption of 59,799 tons were both well above the 1947 and 1948 monthly averages.

Of the 61,558 tons of lead scrap and residues received at smelters' plants, 35,896 tons or 58 percent were battery-lead plates compared with 38,780 or 62 percent of the total in November. Receipts of solder scrap dropped 67 tons, soft lead 165 tons, and cable lead 117 tons, but offsetting gains were registered in receipts of babbitt, antimonial lead and type metals. Treatment of battery-lead plates totaled 35,133 tons and greater use of all except three of the remaining 13 scrap items increased the consumption total 5 percent over November. Stocks of scrap and residues at the end of December were up 2 percent to 66,066 tons, consisting of 34,819 tons of battery plates, 11,412 tons of solid metal scrap and 19,835 tons of drosses and residues.

**Quicksilver**—Market position appeared fairly steady at prices ranging from $86 to $88 per flask. Some business involving a larger tonnage than usual was reported at $87.

**Silver**—Market position continued in balance last week without revealing any appreciable price change. The official closing price for silver bullion in the New York market was 71½c. per ounce.

| | Per ounce— New York | London |
|---|---|---|
| High | Feb. 14, 1949—71½c. | Feb. 14, 1949—43⅛d. |
| Low | Jan. 1, 1949—70c. | Jan. 1, 1949—42⅛d. |

**Tin**—An export quota of 100,000 net tons of tinplate, to be supported by priority ratings and shipped during the third quarter of 1949, has been established, following consultation with the Tinplate Industry Advisory Committee, the Department of Commerce stated. The rated quota set for the third quarter is 13,000 tons below that for the second quarter. Officials said that the cut represents the Department's policy of reducing all mandatory programs as rapidly as conditions permit.

**Zinc**—Total slab zinc production in March was 78,121 tons, according to the American Zinc Institute. This was the largest monthly amount recorded during the first quarter, February registering 69,193 tons. March shipments included 51,381 tons for domestic account, 7,460 export and drawback, 12,176 government account, making a combined total of 71,017 tons, compared with 68,522 tons for the preceding month. Stocks on March 31 were 28,204 tons, against 20,100 on February 28. Unfilled orders at the end of March were 79,722 tons, compared with 87,893 at the close of February. Daily average production in March was 2,520 tons, against 2,371 in February and 2,323 for the year 1948. Market position was quiet and easier with prices lowered to 14c. per pound.

## Reynolds Metals Buys Plant

Reynolds Metals Company has purchased a surplus government owned aluminum plant at Grand Rapids, Mich., from the War Assets Administration for $1,500,000. The company has been operating the plant since 1946 under a five year lease. Its rated capacity is 10,800,000 pounds of aluminum.


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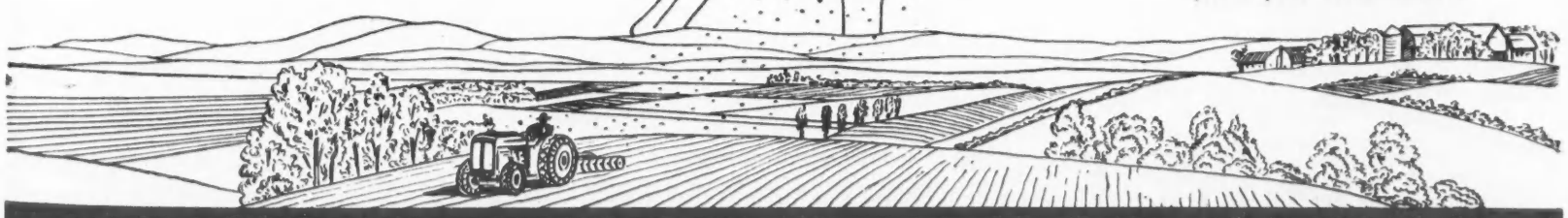

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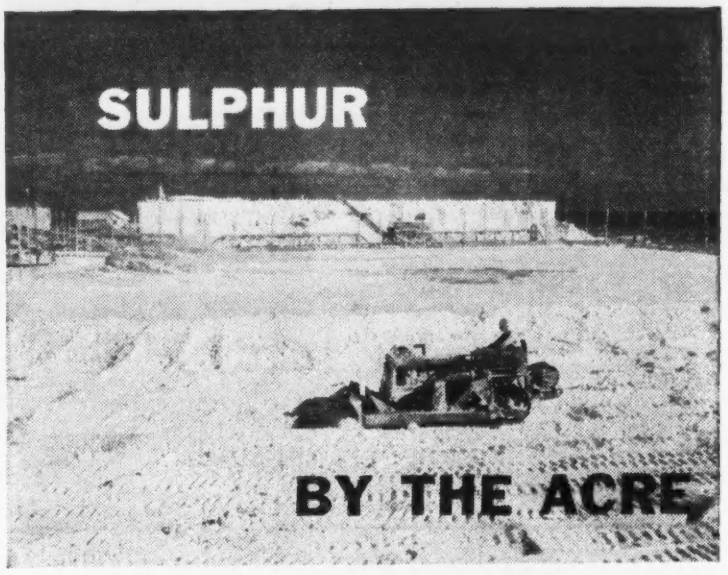


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## Sulphur Freight Rates Cut Suspended by ICC

Proposed reductions in freight rates on the movement of crude sulphur from Louisiana and Texas to Dothan, Ala., and to points in Virginia, contained in I. & S. dockets 5644 and 5645, were suspended On April 12 by the Interstate Commerce Commission. The new rates were to have gone into effect on April 13. The commission said that it had ordered them suspended until November 12 in order to make an investigation of the lawfulness of the new charges.

The commission also acted during the week on three other orders affecting the movement of chemical products. They involved liquid caustic soda from Huntsville and Huntsville Arsenal, Ala., to Federal and Hartsford, Ill.; phosphate rock from Florida to Dallas and Houston, Tex.; and furfural residue from Iowa and Tennessee points to destinations in official territory. The orders related to relief under the long and short haul clause in the movement of the products and permit establishment of rates over circuitous routes that will be more nearly competitive with rates applying over more direct routes.

### Dewey & Almy Issues Bulletin

The Dewey & Almy Chemical Company Cambridge, Mass., has published a booklet describing its "Cry O Vac" process for the protection of foodstuffs. The process is based on the use of a bag made from a specially formulated plastic copolymer.

## *Trade Briefs*

**Benjamin Fisher,** international trader in chemicals and raw chemicals, has opened a new office at 109 Broad street, New York 4, N. Y.

**T. C. Culver** has been appointed representative for "Hycar" and rubber chemicals by the B. F. Goodrich Chemical Company, Cleveland. His territory will include western New York, Pennsylvania, Ohio, eastern Michigan and a number of southern states.


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## *Gets Potash Inst. Post*

Dr. J. Fielding Reed has been appointed manager of the southern territory of the American Potash Institute, to fill the position left vacant upon the election of Dr. H. B. Mann as president. Dr. Reed, who has been director of the soil testing division of the North Carolina Department of Agriculture as well as professor of agronomy at North Carolina State College since July, 1948, will assume his new duties on July 1.

## *Zinc Supplies Ample*

*—Continued from page 7*

as a result of ECA activity will create a net surplus over European requirements.

"The organization for European economic cooperation estimates that in 1948-49 imports of non-ferrous ores and metals by the participating nations from non-participating countries will represent a value of $634,000,000, whereas by 1952-53 they will represent a value of $792,000,000, both estimates being at 1948-49 prices.

"Imports from the Western Hemisphere are expected to expand from $477,000,000 to $505,000,000. Industrial consumption of these countries in this period is expected to expand as follows from 1948-49 to 1952-53:—copper, 33 percent; lead, 24 percent; zinc, 28 percent, and aluminum, 40 percent.

Three new vice-presidents were elected by the institute. They are Clarence Glass, Anaconda Sales Company, New York; George Mixter, U. S. Smelting Refining & Mining Company, Boston, and Raymond F. Orr, Athletic Mining & Smelting Company, Ft. Smith, Ark. Erle V. Daveler, American Zinc, Lead & Smelting Company, was elected treasurer, and Ernest V. Gent was reelected executive vice-president and secretary.

The following directors were elected for the term ending 1952:—A. E. Bendelari, Lexington, Ky.; O. W. Bilharz, Bilharz Mining Company, Baxter Springs, Kans.; C. M. Chapin, jr., St. Joseph Lead Company, New York; M. L. Havey, New Jersey Zinc Company; W. B. Porter, Hegeler Zinc Company, Danville, Ill.; S. H. Levison, American Smelting & Refinishing Company, New York; R. G. Kenley, New Jersey Zinc; George Mixter, and R. F. Orr. ubyLnza o

## Tin Conservation Bill Adoption Urged by Sawyer

The adoption of a bill to promote the conservation of the tin ore reserves of the Western Hemisphere and increase their availability to the United States was urged by Secretary of Commerce Charles Sawyer last week in testimony before the senate subcommittee on the Reconstruction Finance Corporation. The bill would authorize the Reconstruction Finance Corporation to sell low grade ore concentrates to private industry and to buy the tin metal produced at a price based on RFC's selling price for tin on the date of the contract.

## Ethyl Corp. Assigns Smith To Product Development

The Ethyl Corporation, New York, has added Dr. Charles L. Smith to the staff of its product development department to assist in the development and application of various chemical products. For the past four years Dr. Smith has been technical advisor of the National Agricultural Chemicals Association, formerly the Agricultural Insecticide and Fungicide Association.

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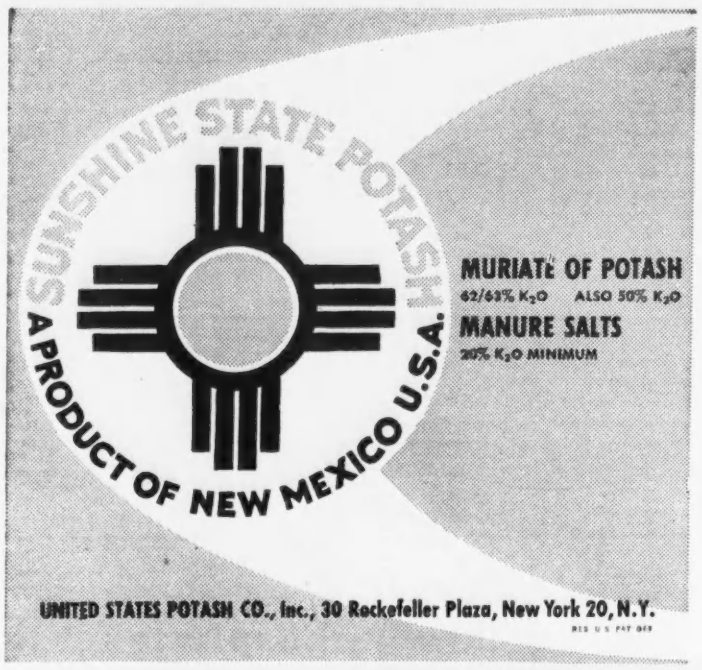
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# Agricultural Chemicals

Increased selling pressure forced sales of dried blood at lower prices last week, although no unusual activity developed. Increased producing costs were reflected in higher prices for chloropicrin. Tankage continued quiet at unchanged prices. Stocks of bone meal were not any freer and there was still a pronounced scarcity for prompt shipment. Castor pomace production was down as a result of lower castor oil output. No pomace was offered in the open market. Menhaden meal was described as quiet so far as when and if made sales were concerned. The relatively low price of menhaden oil has not been a factor to enthuse fisherman and some trade observers look for a smaller production of both meal and scrap this season.

Demand has not eased for ammonium sulphate or nitrate. Canadian production of the latter is under contract through the middle of June while shipments are running about two weeks behind schedule. Cyanamide continued in active demand with output under contract and shipments only a week behind schedule. Phosphate rock has tightened appreciably under an increased demand for home and export and labor difficulties which have closed a producing plant. The movement of superphosphate is said to be averaging full seasonal dimensions with reports of shortages in some areas constantly being heard. Anhydrous ammonia supplies have eased at some supply points although producers have found it necessary in certain instances to use their output for the manufacture of nitrate solutions. Increased distribution of sodium nitrate is noted but there are no surplus stocks.

## Nitrogenates

**Ammonium Nitrate** — Steady demand has taken production readily and prevented any easement in buying conditions. Canadian output is sold through the first half of June with current shipments running about two weeks behind schedule.

**Ammonium Sulphate** — Production of coke-oven sulphate is said to be sold heavily through June. The fact that no important cancellations have developed has kept the supply position tight and stocks are expected to continue short for the remainder of the season.

**Bone Meal**—Stocks have not become any freer with the advance of the season. Limited production and an active demand are factors holding the supply situation tight particularly for prompt shipments of both raw and steamed bone meal.

**Castor Pomace** — No improvement in supply situation could be noted. It was stated that slow demand for castor oil has resulted in cutback production and that the pomace output has been proportionately reduced. No prompt shipments were available during the past week.

**Cyanamide** — Shipments are running about a week behind schedule with production heavily sold on contract through May 15 which is a sort of closing date for the seasonal use of this material. Prices continued firm but unchanged.

**Dried Blood**—Sellers forced business by cutting prices last week. Demand was not active and occasional sales were made at $8 per unit of ammonia here and in Chicago.

**Hoof Meal**—Demand has temporarily subsided for this material. The last sale price was $7 per unit of ammonia, Chicago basis, and there were offerings at this figure last week.

**Sodium Nitrate**—Market situation has shown no significant change so far this month. Demand has remained active and broad enough to absorb increased domestic production as well as Chilean imports.

**Tankage**—Trading remained quiet with no appreciable change in prices to note. Sellers named $8 per unit of ammonia here and in Chicago.

## Phosphates

**Phosphate Rock** — Supply conditions have tightened under an increased demand for home and export. It is stated that stocks above ground have been absorbed and that rock for immediate shipment has developed a shortage, temporarily at least. Labor troubles at a producing plant have also contributed to the present scarcity with other producers being called upon to make up the deficiency. Removal of surplus stocks of superphosphate from acidulating storage warehouses was partly responsible for the increased demand for phosphate rock.

**Superphosphate** — Demand for shipments has continued to hold at a seasonally high level and in producing quarters it was stated that the movement had attained normal dimensions. Acidulators are reducing stocks and reports of shortages in some areas have been heard. The market's price structure was described as steady and without quotable change although the market's background was firmer on account of a tightening of phosphate rock supplies.

### *Market Trends*

**Prices Advanced**

Chloropicrin, 5c. to 6c. per lb.

**Prices Reduced**

Dried blood, 25c. per unit of ammonia.

**Comparative Price Indexes**

(100 = August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 81.6 | 81.6 | 81.6 | 74.5 |

*(For Current Prices see Page 9)*

## Potashes

Mixers have continued to take muriate as rapidly as produced with demand sustained at a seasonally high level. Interest is gaining in future shipments and announcements are expected shortly. In one producing quarter it was stated that it did not appear appropriate to advance prices at this time while the current high cost of labor is working against a reduction in market quotations.

### Los Angeles Fertilizer Market

*Los Angeles.*—The market was a bit easier here this week, with supplies freer. Prices, with the exception of fish meal, were unchanged. Ruling prices were:—Ammonium nitrate, $73.50 per ton f.o.b. this city. Ammonium phosphate, $65 per ton for 16-20 grade f.o.b. this city, and $89.30 per ton for 11-48 grade f.o.b. Los Angeles. Ammonium sulphate, $56 in bags. Canadian material same f.o.b. this city. Blood meal, $7 to $7.25 per unit of ammonia at source. Bone meal, $65 for steamed 1-30 meal. Fish meal, $180 to $186 per ton f.o.b. Los Angeles for 60 percent California sardine meal. Sodium nitrate, $56 per ton in 100-pound bags f.o.b. Los Angeles Harbor, $5 off for bulk. Potassium muriate, 45½c. per unit f.o.b. Trona basis. Bags additional. Potassium sulphate, 95 to 98 percent $K_2SO_4$ in bulk 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 f.o.b. this city in bulk. Tankage, dry rendered, ground 50 percent protein, $5.50 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

## Pesticides

Slow but persistant improvement could be noted in the volume of insecticide sales. Individually transactions are mostly small and the amount of forward orders carried in producers' books is said to be relatively low. Purchases of lead arsenate, copper sulphate, zinc sulphate and other insecticides and fungicides with a metallic base have been conducted on a hand to mouth basis and cautious operating will likely continue until the metal markets show some permanent signs of stabilizatilon. Inquiries have increased for sulphur, chlordane and DDT dusts and demand for parathion is reported to be matching seasonal expectations. The Hudson valley fruit growers are buying lead arsenate as necessity dictates but are temporarily ignoring forward requirements while producers are maintaining former price levels.

**Chloropicrin**—Priced higher as a result of increased producing costs occasioned by an advance in raw materials. Cylinders 130 pounds now quoted at 91c. per pound, 100-pound cylinders 93c. per pound, 25-pound cylinders $1.18 and commercial bottles $1.40. All prices works, freight allowed.

**Paradichlorobenzene** — Buying interest has continued to pick-up since the turn of the month. Sales have not reached normal seasonal dimensions to date but the aggregate is said to be fair and inquiry is still active. No price changes have accompanied the movement this Spring.

## Sulphur

Mine shipments of native sulphur in January were placed at 339,428 long tons by the Bureau of Mines. Total shipments in December were 423,834 long tons and 359,063 in January a year ago. Apparent sales in January were placed at 367,379 long tons, compared with 439,683 in the preceding month and 388,826 in January, 1948.

*For Late Market Developments, See Page 4*

71235

## Miss. Chemical Plans Plant

Farmers in the state of Mississippi who wish to participate in the projected nitrogen plant of the Mississippi Chemical Corporation have been urged by the company's executive committee to act prior to April 30, after which date the remaining unsold stock will be made available outside of the state. The committee has recommended to the board of directors that the Girdler Corporation, Louisville, Ky., be retained as engineer and contractor for the plant.

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## *Obituaries*

—*Continued from page 4*

ated with the Archer-Daniels-Midland Company when it was formed in 1923. He was named a director in 1932, treasurer in 1933, vice-president and treasurer in 1945, and was elected executive vice-president and treasurer in 1947.

### J. Dale Dilworth

J. Dale Dilworth, a director of the Anchor Hocking Glass Corporation, died April 8 at his home in Salem, N. J. He was seventy-nine years old. Mr. Dilworth was president of the Salem Glass Works when it was merged with the Anchor Cap & Closure organization several years ago. The merged companies were subsequently absorbed into the Anchor Hocking Glass Corporation.

### Harry M. Hooker

Harry M. Hooker, former president and chairman of the board of the Hooker Electrochemical Company, Niagara Falls, N. Y., died April 9 in Memorial hospital in that city. He was seventy-five years old. He had recently retired as chairman of the board, and had served as president for seven years before assuming the chairmanship.

Mr. Hooker joined the company, which was founded by his brother, the late Elon H. Hooker, as superintendent of construction in 1913. Three years later he became sales manager and was elected vice-president, member of the board of directors and sales manager in 1922. He became president of the company on the death of his brother in 1938.

### Raymond N. McAdams

Raymond N. McAdams, former secretary of the Hercules Powder Company, Wilmington, Del., died April 9 in Delaware hospital in that city. He was sixty-five years old. He had retired from business in March of last year.

Mr. McAdams joined the Hercules organization at the time of its formation in 1913 as chief clerk of the works accounting division. He was named assistant treasurer in 1926 and secretary in 1941.

### Joseph Plaut

Joseph Plaut, retired president of Lehn & Fink, Inc., New York, died recently at his home in that city. He was eighty-nine years old. Mr. Plaut had served as president of the wholesale drug firm from 1915 until his retirement in 1925.

### Col. Harry H. Stout

Col. Harry H. Stout, former chief metallurgist for the Phelps Dodge Copper Company, died in Plainfield, N. J., on April 13. He was seventy-six years old. Col. Stout resigned from the army in 1901 to become superintendent of the Peyton Chemical Company, Martinez, Calif. He joined Phelps Dodge in 1917, entered the Army the following year and rejoined the company in 1921 as chief metallurgist. He retired in 1931.

**Col. Whiston A. Bristow**, chairman and managing director of Coalite & Chemical Products, Ltd., England, died recently in London. He was seventy years old. Col. Bristow was also chairman and managing director of the British Diesel Oil & Petrol Company, Ltd., Doncaster Coalite, Ltd., and the Derbyshire Coalite Company, Ltd.

**Samuel O. Hobart**, sr., former consultant to the National Lead Company for the development of titanium mines in the Adirondack Mountains, died recently in Pottstown, Pa. He was seventy years old.

**Harold G. Irons**, former member of the staff of E. I. du Pont de Nemours & Co. in Wilmington and Carney's Point, N. J., died April 9 in Memorial hospital, Wilmington. He was seventy-three years old.

**Edward J. Murphy**, former sales manager in the central New York district for George A. Breon & Co., Kansas City, Mo., died April 10 in Auburn, N. Y. He was forty-seven years old.

## *Plant Food Council*

—*Continued from page 7*

by Francis Pressly and Miss Rita Bott, national leaders in 4-H Club work.

J. A. Howell, executive vice-president of the Virginia-Carolina Chemical Corporation, Richmond, Va., is chairman of the convention committee, which includes C. B. Robertson, president, Robertson Chemical Corporation, Norfolk, Va., and Fred J. Woods, vice-president, Gulf Fertilizer Company, Tampa, Fla. Chairmen of other committees are:—Hospitality, G. Tracy Cunningham, assistant general sales manager, Armour Fertilizer Works, Atlanta, Ga.; golf, Albert B. Baker, jr., Bradley & Baker, New York, and ladies', Mrs. Albert B. Baker, sr.

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# Petroleum Derivatives

Petroleum toluol and xylol were put on an f.o.b. works basis last week, almost a year after the Supreme Court's widely-discussed basing point decision. The action was accompanied by a price cut averaging one cent per gallon. Meanwhile, 100-flash and 150-flash higher boilers were each reduced 2 cents per gallon, and Pennsylvania crude postings were lowered another 15 cents per barrel.

Abandonment of the delivered formula in pure aromatics was interpreted by the trade as a logical step, which would establish a uniform method of sale for all petroleum derivatives. In addition, it was noted that the new move would greatly facilitate bookkeeping operations.

Although one line of higher boiling range aromatics was decreased, other makers stood pat, as did sellers of aliphatic-aromatic blends. What action they would ultimately take was still uncertain at press time, but it was known that the entire trade was carefully studying the situation, particularly in the light of new pure aromatic postings.

Aliphatic materials, meanwhile, were unchanged. In group 3, where a surprise one-half-cent reduction was effected during the previous week, prices steadied at lower levels. On the East Coast, quotations held firm. LPG's were similarly stable at lower quotations.

The week's slash in Pennsylvania crude, the sixth since December, was attributed to the abundance of stocks above ground. Gasoline, however, was higher in Pennsylvania and Kentucky, matching recent one-half-cent boosts. Tetraethyl lead was down, in line with recent pig lead drops.

## Solvents and Diluents

**Aromatic Solvents**—In a two-pronged action last week, producers of petroleum toluol and xylol switched prices to an f.o.b plant formula and, at the same time, lowered listings an average of 1c. per gallon. The move came about a year after the Supreme Court's decision in the Cement Institute case, which barred the basing point system where it operated in violation of the Sherman Anti-Trust Act.

Interpreting the week's development as a logical step, petroleum makers pointed out that war-pegged prices of solvents were on an f.o.b works basis and that the industry only went over to delivered quotations after controls came off because coaltar sellers were then using that method of sale. In addition, it was noted that until last week toluol and xylol were the only petroleum derivatives sold on a delivered basis and that the new move would greatly simplify bookkeeping operations.

As for the price reduction, the trade estimated that it would average about 1c. per gallon at most points. In some areas, such as the New York and Philadelphia districts, savings to the consumer were figured at approximately 1½c. per gallon.

Meanwhile, buying interest continued sluggish during the week. The supply position remained excellent. Some sellers were of the opinion that the new lower quotations would provide the needed stimulus to what has been a lethargic market for the past few months.

Following are current listings on petroleum toluol and xylol, tanks, works:— Albany, N. Y., 28c.; Bayonne, N. J., 28c.; Baytown, Tex., 25c.; Buffalo, N. Y., 28c.; Chicago, Ill., 27c.; Detroit, Mich., 28c.; Philadelphia, Pa., 28c.; Providence, R. I., 28c.; Sewall's Point, Va., (Norfolk district), 25½c.; and Wood River, Ill. (St. Louis district), 27c. per gallon.

On top of the week's developments in pure aromatics, one manufacturer of higher boiling range aromatics effected price cuts of 2c. per gallon on 100-flash and 150-flash materials. The new tankcar quotations for these naphthas is 25c. per gallon, f.o.b. Baytown, Tex.

Producers of other higher boilers maintained schedules, as did makers of aliphatic-aromatic blends. What action they would ultimately take was still uncertain at press time. However, it was known that sellers were studying their current price set-ups in the light of the new pure aromatic postings.

**Cleaners' Naphtha**—Prices in the group 3 area settled down at lower levels following the recent ½c. reduction. Meanwhile, along the East Coast, quotations held firm. Cleaners' naphtha was quoted at 10⅝c. to 11⅝c., group 3, and at 14c. per gallon, tanks, East Coast. Stocks remained good. Buying was slow.

**Lacquer Diluent**—Stabilization at lower levels on toluol grade was reported in group 3 last week in the wake of the recent ½c. reduction. Eastern Seaboard listings were steady. Lacquer diluent was named at 12⅛c. for the benzol-type and 11⅛c. to 12⅛c. per gallon for the toluol-type, tanks, group 3. East Coast prices were uniform at 16c. The supply position remained excellent. Calls were light.

**Mineral Spirits**—The price structure in group 3 was steady following recent ½c. per gallon drops. Mineral spirits was quoted at 9⅞c. to 10⅝c. per gallon, tanks, group 3. East Coast listings held firm at 14c. Demand was quiet. Supplies were plentiful, with offerings available to all comers.

**Rubber Solvents**—The market steadied in group 3 in the wake of ½c. declines. Rubber solvents were quoted at 10⅜c. to 10⅞c. per gallon, tanks, group 3. East Coast listings were unchanged at 15c. Buying interest remained on the slow side, with expectations of an increase in call next month. Stocks were ample.

**Stoddard Solvent**—Following the ½c. lowering in group 3, the market was quiet in all areas last week. Stoddard solvent was quoted at 9⅞c. to 11⅛c., group 3, and at 14c. per gallon, tanks, East Coast. There was no appreciable rise in demand last week. The supply position continued excellent, offerings available freely to all buyers.

**V. M. & P. Naphtha** — There was no change in this section during the past week. Group 3 prices steadied at new lower levels following the recent ½c. drop. V. M. & P. was listed at 10⅞c. to 11⅜c. per pound gallon, tanks, group 3, and at 15c., East Coast. Supplies remained good. Buying was still off.

## Lighter Fractions

LPG's were steady at lower levels in the wake of recent reductions. Butane was in good availability at 4½c. per gallon, tanks, group 3, while propane was in similarly excellent supply at 3½c. per gallon, same basis. Buying was sluggish in the main.

## Miscellaneous

**Crude Oil**—Postings of Pennsylvania grades were off another 15c. per barrel last week, the sixth reduction since December. The action, which was attributed to the abundance of stocks above ground, did not affect quotations at other centers, which held firm.

**Gasoline**—Prices were on their way to leveling off at higher listings last week, as producers matched previous ½c. increases, notably in Kentucky and Pennsylvania.

**Tetraethyl Lead**—In line with recent pig lead declines, one producer last week lowered motor mix to 35.474c. per pound and aviation mix to 38.811c., constituting reductions of 0.21c. and 0.23c. per cubic centimeter of tetraethyl lead content, respectively.

### Los Angeles Petroleum Market

Supply is meeting the demand. Prices are steady. Cleaners' naphtha was quoted at 16.3c. per gallon, tankwagon, ex-tax.

Demand for propane and butane has eased up. Supplies are meeting demand. Both are quoted at 9.3c. per gallon, tankcar, f.o.b. Wilmington, Calif.

### *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

Petroleum, crude, Pennsylvania, 15c. per bbl.
Solvent naphtha, petroleum, 100° F, 2c. per gal.
130° F., 2c. per gal.
Toluol, petroleum, industrial, 2°, 1c. per gal.
Xylol, petroleum, industrial, 10°, 1c. per gal.

*(For Current Prices see Page 9)*

### *Crude Oil Stocks*

Stocks of domestic and foreign crude petroleum at the close of the week ended April 2 totaled 267,751,000 barrels, according to the Bureau of Mines. Compared with the total of 266,506,000 barrels for the preceding week, this represents an increase of 1,245,000 barrels, comprising an increase of 1,196,000 barrels in stocks of domestic crude and an increase of 49,000 barrels in stocks of foreign crude.

*For Late Market Developments, See Page 4*

# Industrial Application of Chemicals

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### Glyoxal

**Adhesives**—Insolubilizing and modifying agent for starch.

**Cellulose**—Insolubilizing and modifying agent for cellulose.

**Chemical** — Insolubilizing agent and modifying agent for polyhydroxyl compounds, starch.

Starting point in making detergents, with the aid of aliphatic amines; pharmaceutical chemicals.

**Dye**—Reactant in making dyestuffs, with aid of nitrogen compounds, or of phenols.

**Lubricant**—Starting point in making stabilizers for mineral oil lubricants, with the aid of aliphatic amines.

**Paper**—Insolubilizing and modifying agent for cellulose, starch.

**Paint, Varnish, and Lacquer**—Reactant in making pigments, with the aid of nitrogen compounds, or of phenols.

**Resin**—Reactant in making resins.

**Textile**—Hardener for proteins.

Insolubilizing and modifying agent for starch.

Stabilizer for rayon fabrics and fibers.

### Para-(alphaphenylisopropyl) meta-cresol

**Disinfectant**—Claimed (U.S. 2247402) as useful germicide.

**Pesticide**—Claimed (U.S. 2247402) as intermediate in making insecticides and useful as fungicide.

**Resins**—Claimed (U.S. 2247402) as intermediate in making synthetic resins.

### Pinetar

**(Alquitran Vegetal, Brea de Pine, Goudren, Goudren Vegetal, Pece Liquida, Pix Liquida, Resina Empyreumatica Liquida, Stockholm Tar, Theer)**

**Animal Husbandry**—Ingredient of animal dips.

**Bituminous**—Starting point in making pinetar pitch.

**Building Materials**—Ingredient of insulating cements, roofing, and waterproofing compositions.

**Disinfectant**—Ingredient of disinfecting preparations.

**Forestry**—Ingredient of tree-protecting compositions.

**Leather**—Ingredient of leather dressing, shoe dressings and fillers, composition sales.

**Metallurgical**—Carburizing agent for steel.

Ingredient of carburizing compositions.

**Mining**—Flotation agent in ore concentrating and separating processes.

Starting point in making flotation agents.

**Miscellaneous**—Filler in many compositions.

Ingredient of chewing gums and waterproofing compositions.

Waterproofing agent for various purposes.

**Oils, Fats, and Waxes**—Filler in artificial wax compositions.

Starting point in making pinetar oil.

**Paint, Varnish, and Lacquer**—Ingredient of cements, paints, stains, waterproofings.

**Pharmaceutical**—In compounding and dispensing practice (reputed useful as antiseptic in skin ointments and urinary preparations, as an expectorant and an inhalant).

**Public Works**—Base material in making emulsified road-paving compositions.

**Rubber**—Devulcanizing agent.

Filler in various compositions.

### Polyethylene Polysulphide

**Pesticide** — Carrier-adhesive forming long-enduring, rubberlike films upon treated surfaces when used in fungicidal, insecticidal, and other pesticidal compositions.

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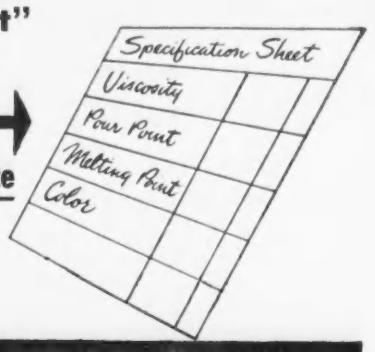


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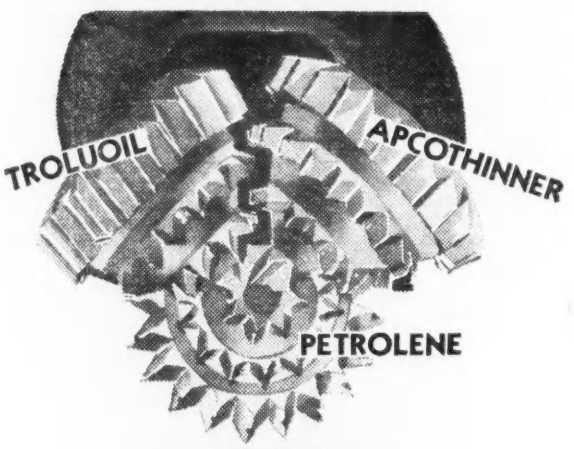


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# Coaltar Chemicals

A reduction of 2c. a gallon for high flash solvent naphtha was announced late last week by one producer. Another made some adjustments in its listings, depending on shipping points, while others were still studying the matter. The action came shortly after the announcement that producers of petroleum solvent naphtha had reduced the price of their material. The reduction in price served to bring the index down to 131.2.

Phenol and cresylic acid were generally settled for the quarter except that one producer was still considering the listings for carload and less carload quantities and would probably have no announcement for several days.

Both phthalic anhydride and creosote were freely available, as they had been for some time, but it was reported that the price structures were to continue at the present levels. There was some speculation as to what the Spring and Summer months would do for these materials. In some quarters it was thought that an increase in building operations would help the demand for both products.

Steel production climbed a bit last week over the level of the previous week. The American Iron and Steel Institute reported that companies having 94 percent of the production capacity of the industry were geared to produce at 99.2 percent of capacity. This was equivalent to 1,828,800 tons of steel ingots and casting, as compared to 1,821,400 tons for the previous week, 1,285,200 tons for the comparable period one year ago and 1,281,210 tons for the average week in 1940, the highest pre-war year.

## Basic Products

**Benzol**—Production of the motor grade material during February of this year amounted to 713,645 gallons, as compared to 647,949 gallons during the previous month. This represented a gain of 10.1 percent. The production of the material during February a year ago was higher, however, for during that period the output amounted to 856,788 gallons. The nitration (1°) during February of this year was produced in the amount of 2,733,801 gallons. This represented a decline of 10.2 percent from the previous month, during which 3,043,624 gallons were produced. Production of the material during February a year ago was 3,890,414 gallons. Output of the industrial pure (2°) also fell off in February, but the percentage was not so great. The production was 9,866,241 gallons, or 5.3 percent below the 10,423,546 gallons produced during the previous month. Output of the material during February a year ago was lower than this year, for during that time the production was recorded at 8,021,286 gallons. Production of all other grades during February of this year amounted to 248,719 gallons, which was 10.1 percent below the production of 276,679 gallons of the month of January. Output in February a year ago was lower at 158,288 gallons.

There were no reported changes in the listings of benzol during the past week and there were no indications that there would be any in the immediate future. Demand for the item was at reasonably good levels, although not what it was last year. Supplies were reported to be adequate to accommodate the market.

**Coaltar** — Production of this material during February of this year was 60,412,495 gallons, as compared to 67,000,623 gallons during the month of January. This represented a decrease in output of 9.8 percent. February of this year was ahead of the comparable month in 1948, however, for during that time the production of the item was only 59,351,624 gallons. Supplies of this material continued to hold up at good levels during the past week. Demand was not so strong as it was before the turn of the year, but was still being felt at a fairly good level. The price range for the material was reported to be unchanged during the period and there were no indications given by producers that they were planning any revisions in their schedules for the immediate future.

**Creosote**—Production of this material during the month of February was down by 14.4 percent from the levels of the previous month. During February the total of output amounted to 1,927,615 gallons, as compared to 2,252,712 gallons for the month of January. During February of last year the production of the item was reported to be 3,115,502 gallons.

Marketwise, there was no appreciable difference to be noted in this material during the past week. Domestic production, coupled with imports, was such as to keep a large amount of the material ready for buyers at all times. Demand was not so strong as sellers hoped it would be, but with the Spring here they were hoping that there might be an increase in turnover. Seasonal building and possible buying by the railroads, who had taken the material on a hand-to-mouth basis, might bring about a pickup in sales. Pricewise, there were no changes reported during the period and it was said by reliable sources that the present listings would probably stay in effect for at least the immediate future. Some shading of the 19½c. price was being done in face of orders of good quantity, it was said.

**Cresol**—Prices of this material during the week were reported to be holding at the recently established levels. No further changes were anticipated for the immediate future. The domestic material was reported to be at a good point as far as supply was concerned, and the demand, although of reasonably good proportions, was not so strong as it was before the first of the year. There were sufficient stocks of the imported material on the market, although the demand for them was not at any great levels.

**Cresylic Acid**—Some minor revisions in the schedule of one producer were expected to be made during the past week, but were put off temporarily. An announcement was expected for this week. The tank prices for both high and low boil were uniform with all producers, following recent second quarter revisions, but there were some minor changes expected for carload and less than carload quantities. Otherwise the market situation remained about the same. Demand for the domestic was not at a high point, although it was reasonably steady. Supplies were adequate. Demand for the imported was not great, while supplies were sufficient to satisfy the market.

**Naphthalene**—The crude material, solidifying at less than 70°C., showed a drop in output in February when compared to the production of January. During the first month of this year there were 1,458,621 pounds of the item produced, while for the following month the total dropped to 1,294,005 pounds, which represented a decrease of 11.3 percent. The material solidifying at 70° and less than 79° was produced in the amount of 6,908,630 during February. This was a decrease of 8.1 percent from the 7,520,410 pounds produced during the month of January.

Prices for the material remained steady during the past week, following recent revisions in the price of the 74° crude. This was the season when the trade was particularly interested in the mothproofing material. So far sales had been reported at a reasonably good level, for the warm weather had served as a reminder to housewives that it was time to protect Winter garments. A continuation of good weather was still desired, however, for the experience of the trade shows that unseasonable cold or a Spring that is slow in coming can have an adverse effect on sales. Supplies of the material were adequate to meet the market.

**Phenol**—All producers still had not an-

### *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

Solvent naphtha, high-flash, 2c. per gal.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 131.2 | 131.7 | 138.0 | 152.2 |

(For Current Prices see Page 9)

### *Coke By-Products*

Estimates of by-product cokeoven operations in the week ended April 9 indicate the following output of by-products from that source:—

| | | |
|---|---|---|
| Ammonia liquid, $NH_3$ | lbs. | 1,262,040 |
| Ammonium sulphate | lbs. | 32,630,214 |
| Benzol | gals. | 4,118,238 |
| Coaltar | gals. | 15,277,336 |
| Creosote oil | gals. | 850,216 |
| Naphthalene, crude | lbs. | 2,019,265 |
| Phenol | lbs. | 239,123 |
| Toluol | gals. | 823,647 |
| Xylol | gals. | 185,984 |

*For Late Market Developments, See Page 4*

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nounced all their listings for the second quarter by last week. Prices in tanks were established and were uniform but for lesser quantities there was an announcement by one producer still to be made. Otherwise, market conditions were about the same.

**Pyridin**—Production of the crude bases (dry basis) during February of this year was 33,692 gallons, as compared to an output of 37,100 gallons during the month of January. This represented a decrease of 9.2 percent. Production during February a year ago was lower than it was this year, however, for during that time the output came to only 30,713 gallons. Production of the refined (2°) material during February of 1949 was 71,464 gallons, which represented a decrease of 17.8 percent from that of the previous month when the output came to 86,968 gallons. February of this year, however, was only slightly lower than February of last year, for during that time the output was only slightly higher at 72,941 gallons. There were no changes reported in the prices of this material during the past week, nor were there any indications from producers that any were being planned for the immediate future. Demand was still being felt at good levels for the pharmaceutical material, although the supply was not quite so strong as sellers hoped it might be. The other grades were easier as to supply, although the demand for them was not approaching particularly high levels.

**Solvent Naphtha**—Following the reduction in price by the petroleum industry, one producer announced last week that it was dropping the price on high-flash solvent naphtha by 2c. a gallon in tankcars. This brought the low side of the range down to 25c. Another producer announced that it had made some adjustments on its listings, depending on shipping point. Others as of last week had no announcement to make but were studying the matter.

**Toluol**—Production of the nitration (1°) material during February of this year amounted to 1,824,531 gallons, as compared to 1,896,777 gallons during January. The February total represented a decrease of 3.8 percent, and was also somewhat under the output for February a year ago, when the production amounted to 1,841,957 gallons. The output of the industrial (2°) material was 9,866,241 gallons during February of this year as compared to 10,423,546 gallons in January. This represented a decrease of 5.3 percent, but was still greater than the February production of a year ago, when output amounted to 8,021,286 gallons. Figures for all other grades indicate that the month of February of this year saw 248,719 gallons produced, which was a decrease of 10.1 percent from the total of the month before, that figure being 276,679 gallons. It was considerably higher than the February output of a year ago, however, for at that time the figure for production was 158,288 gallons.

Petroleum toluol producers last week announced that they had switched their listings to an f.o.b. basis and dropped an average of one cent a pound. While coaltar toluol was not necessarily affected, it was noted that adjustments of two to three and a half cents per pound were made by one seller at some shipping points.

Meanwhile, there were no particular changes to be noted in the supply and demand of the material during the period under review. Demand, it was pointed out, could be better although there was some evidence that it was picking up. Supplies in general were adequate to meet the market.

**Xylol**—This material too saw some revisions in listings at some shipping points last week, but it was pointed out that this was a matter of adjustment to shipping conditions rather than actual decreases in price. The adjustments came at the same time that petroleum xylol producers announced that they were going over to an f.o.b. basis and dropping their figures an average of one cent per pound.

The market situation in general was about the same as it had been during previous weeks, with regard to both supply and demand. Production of all grades of xylol during the month of February amounted to 613,272 gallons, as compared to 668,584 gallons for the previous month, or a decrease of 8.3 percent. It was still higher than the production for February a year ago, however, for during that time the output amounted to 564,158 gallons.

## Intermediates

**Cyclohexylamine**—Stocks of this material last week were still reported available in sufficient quantities to meet the

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market, while there were no changes reported in the price listing.

**Dichloroanilin**—The range for this item remained at 75c. to 80c. during the period under review, and there were reportedly sufficient stocks on hand to take care of a normal demand.

**Metatolylenedianine** — Stocks of this item were reported to be at good levels last week, reflecting the lessened demand from the dyestuffs industry. Demand at the moment was not at particularly high levels. The material was being offered at 85c. per pound.

**Hydroquinone**—Supplies of the technical were reported to be adequate for the market during the past week, although the demand was not called more than moderate. The price of the material was 70c. a pound in drums.

**Phthalic Anhydride**—Demand for this item continued to be limited during the past week. One of the principal reasons, is was said, was that paint makers were reducing their inventories of both finished goods and raw materials. Although not in the market for much of the item now it was said they might be back later when they had brought their inventories down to a point at which they wished to maintain them. Some production facilities were reported to be working on a reduced schedule. Prices, however, were still holding and it was said that they probably would continue unless there were reductions in raw material and labor costs.

## Antara Products Names Horner to New Sales Post

The Antara Products Division of General Aniline & Film Corporation has appointed S. J. Horner sales supervisor for carbonyl iron powder. Mr. Horner joined the General Aniline organization in 1941 and was assigned to production control, general research and development work at the company's plant in Linden, N. J. He was transferred to the Antara Products Division as a sales engineer in 1947.

### Koppers Publishes Booklet

The wood preserving division of Koppers Company, Pittsburgh, has published a new technical bulletin presenting service records, electrical resistance information and comparative cost figures of pressure creosoted poles. Copies of the "Pole Buyers' Guide," which was designed as an informative guide for users and buyers of poles, may be obtained from the company.

### Lane to Visit Europe

John H. Lane, president of the S. W. Landsberger Chemical Works, Inc., New York, plans to leave about the end of this month on an extended tour of European countries. Mr. Lane, who represents the foreign interests of the Universal Pigment & Chemical Corporation, will visit western Europe and Scandinavia.

## Hilton-Davis Appoints Southern Dyestuffs Agent

The Blackman & Uhler Company, Spartanburg, S. C., has been appointed representative of the Hilton-Davis Chemical Company, Cincinnati, in the southern textile field. The Blackman & Uhler organization will handle sales and distribution of Hilton-Davis' textile dyestuffs, which are being marketed under a new series of trade names. The new trade designations are:—"Hidacid" for acid dyes; "Hidaco" for basic dyes; "Hiltonaphthols" for naphthols; "Hiltosal" for salts of fast bases, and "Hiltonil" for the fast bases.

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# Textile and Leather Chemicals

There was little of new interest in the textile and leather chemicals market last week. Consumers continued to purchase materials for prompt requirements. Prices were generally steady and the only changes took place in egg products. Price index declined to 338.5, against 349.7, a month ago and 375.7 for the corresponding week last year.

Egg albumen was easier and declined about 3 cents pound, which resulted in an increase of 4 cents in egg yolk. Reports from the West stated that production of these materials has been materially reduced by the high cost of eggs.

Consuming inquiry for sizing materials was confined to moderate quantities for actual requirements. One processor announced that prices of corn dextrin, starch and sugar would be lifted 15 cents per 100 pounds, effective May 9, and deliveries to May 7 would continue at prevailing quotations. A steady tone was noted in potato starch, though buying interest was light and spasmodic. Stocks of tapioca flour on spot were smaller, and were especially tight for the high and low grades.

Inquiry for tanning materials was conspicuous by its absence last week. While business was slow, prices at primary markets continued steady. Shipments of cutch, mangrove bark, myrobalans and wattle bark and extract were maintained at current levels.

Italian exports of rayon yarns, staple and waste were nearly three times larger in 1948, than in 1947 and exceeded total shipments during 1939, according to the Office of International Trade. Production of these materials during the first eight months of 1948 was 18 percent less than for the same period in 1947. In the early months of 1947 production ranged from 7,000 to 7,500 metric tons monthly and continued at that rate through October. During November 1947 and throughout 1948, the output of all types of rayon averaged only 5,500 metric tons per month OIT reported.

### *Market Trends*

**Prices Advanced**

Egg yolk, 4c. per lb.

**Prices Reduced**

Egg albumen, 3c. per lb.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 338.5 | 341.5 | 349.7 | 375.7 |

*(For Current Prices see Page 9)*

## Chemicals

**Acetic Anhydride**—Small lots were taken for immediate requirements. Quotations were without change.

**Bichromates**—A noticeable slackening in consuming demand was noted in this market. Consumers are taking smaller quantities against contracts, which has eased the supply situation especially on sodium bichromate. Potassium bichromate also was in better supply. Export business was light and spotty and increased offers of sodium have eased prices for shipment. Quotations for domestic delivery were unchanged and steady and reflected prevailing high cost of production.

**Sodium Hydrosulphite** — This material was easier, with the reduced cost of zinc dust. Producers lowered prices ½c. a week ago. Demand was moderate, chiefly for immediate delivery. Prices were steady ranging from 23c. to 23½c. per pound, drums, as to quantity.

**Sodium - Formaldehyde Sulphoxalate** Prices were maintained at the recent decline of ½c. per pound and were quoted at 24c. to 24½c. per pound, depending upon quantity.

**Zinc Hydrosulphite**—Business was reported slow. Market was unchanged and steady at the recent cut of ½c. per pound. Drums were named at 18¾c. to 19¼c. per pound, as to quantity.

**Zinc-Formaldehyde Sulphoxalate Basic**—Demand was restricted to actual requirements. Prices were held at the decline of ½c. a week ago, ranging from 23c. to 23½c. per pound, drums, according to quantity.

## Dyestuffs

**Annatto**—Consumers continued to operate in a hand to mouth manner. Prices for supplies were unchanged and fairly steady.

**Cochineal** — Small quantities on spot were maintained at unchanged quotations. Demand was light and spasmodic.

**Madder**—Interest in this material was confined to occasional small quantities for immediate needs.

## Sizing Materials

**Blood Albumin**—Demand was reported fair, chiefly for immediate delivery. Supplies of albumin were liberal and the tight supply condition of dried soluble blood has improved. Prices were without change.

**Corn Dextrin**—A processor has announced that prices for all grades would be increased 15c. per 100 pounds, effective May 9, and shipments would be made at current quotations up to May 7. Consuming demand continued limited to prompt delivery.

**Corn Starch**—An advance of 15c. per 100 pounds was announced, effective May 9, by a processor last week. Deliveries up to May 7 were available at prevailing quotations. Trading was fair, chiefly for actual requirements. The visible corn supply declined 3,942,000 bushels for the week ended April 9 to 21,055,000 bushels compared with 7,774,000 bushels a year ago, according to the Chicago Board of Trade.

**Corn Sugar**—Business was slow. Prices of tanners' sugar were unchanged. One processor announced that the price would be advanced 15c. per 100 pounds, effective May 9.

**Egg Albumen**—Consuming inquiry was inactive and with offerings more liberal, the market declined about 3c. per pound. Prices ranged from $2.42 to $2.50 per pound, depending upon quantity. Buying interest in the technical grade also was slow, but quotations were unchanged at $1.30 to $1.35, same basis. Production has been restricted by the high cost of eggs. Egg production during January-March, 1949, inclusive was indicated at 15,519,000,000 compared with 15,099,000,000 for the same time last year and the 1938-47 average of 13,356,000,000.

**Egg Yolk**—Lower prices for the albumen, resulted in a firmer market and quotations were raised 4c. to $1.02 to $1.07 per pound last week. Consuming inquiry was fairly active, but the higher cost of production and limited available stocks stiffened the market.

**Potato Starch**—Buying interest was reported limited, chiefly for prompt requirements. Market was unchanged and steady. Prices were held at 5.80c. per pound, carlots, New York basis and smaller quantities at 7¼c. exwarehouse.

**Rice Starch**—Moderate quantities of imported starch were reported sold at 10½c. per pound for spot delivery.

**Sago Flour**—There was little interest in replacements at the recent decline. Offers for shipment ranged from 5.80c. to 6¼c. per pound, exdock, depending upon quality. Supplies on spot were light and quoted nominally at 7½c. per pound.

**Tapioca Flour**—The supply situation on spot continued tight especially for the high and low grades. Recent demand has materially cut the supply of these grades. Medium grade was in better supply and adequate to cover the current demand. Prices were unchanged and firm. High grade ranged from 10½c. to 11c. per pound, as to quantity; medium, 9c. to 9¾c. and low, 6¾c. to 7¼c.

## Tanning Materials

**Cutch**—Limited offers for shipment kept this market in a steady position. Inquiry was fairly active. Quotations were unchanged and maintained at 8½c. per pound, exdock.

**Divi Divi**—While trading was slow, the primary market was steady and shipments were maintained at current quotations. Offerings were fairly liberal.

**Mangrove Bark**—As a result of lack of bark for shipment from African producing centers, trading was at a standstill. South American bark is commanding more interest. Quotations remain entirely nominal.

**Myrobalans**—Buying interest was light and restricted to moderate quantities for immediate shipment. Primary markets continued firm, due to limited available supplies for shipment. Prices were unchanged and well held. Arrivals totaled 400 bags at New York last week against previous orders.

**Wattle**—Trading was reported inactive. Bark and extract for shipment were maintained at unchanged quotations. Consuming inquiry was light and spasmodic.

*For Late Market Developments, See Page 4*

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# Drugs and Fine Chemicals

The general market situation affecting both drugs and chemicals was one characterized by slow demand and, with very few exceptions, a quite adequate supply which in most cases could be described as plentiful. Under these conditions there was little change in prices.

A producer of technical anhydrous borax reduced the price $7.50 per ton f.o.b. works effective April 15. No other borax grades or boric acid were affected. Cocoa butter advanced 5 cents per pound, menthol was down 15 cents per pound in a slow market, skimmed roller process milk powder was off ¼ cent, and the procaine hydrochloride market had softened to a point where a 75 cent per pound drop in prices was effected in some producing quarters. These changes reduced the index 0.4 point to bring the index figure for this market down to 256.2.

Pharmaceuticals were reported holding up better on the average demand than some sections of the chemical demand which showed considerable variation depending upon the product and the consuming industry. At this time it was fairly evident that the Spring rise in business to which manufacturers were looking in January and February would not materialize. Beginning in early March there was a noticeable decline in business which had progressed to a marked degree by last week. The feeling was expressed in most sections of the chemical industry that business volume was likely to maintain a low level for the balance of the Summer, and manufacturers were now looking toward a rise in business activity begining about September.

There was an expected increase in business on such seasonal items as sodium benzoate, citric acid, and a few others. There were other items which were also seasonal but which because of the warmer weather were showing marked declines such as ephedrine, aspirin, and similar materials. Caffeine was reported abundant. An effort was being made by the ethyl alcohol industry to recapture some of the antifreeze market which had heretofore been lost to methanol, and this was taking the form of an approximate one-third reduction in the price of ethanol antifreeze mixtures at the retail level, in some quarters.

A considerable interest was being shown in vitamin A esters made from a synthetically produced bioactive vitamin A, which was a relatively new development not as yet on a large scale producton basis. The feeling was expressed that the vitamin A shortage of long duration might be relieved as the synthetic production takes some of the pressure off of the natural product.

One producer announced that effective May 9, the price of corn syrup would be advanced 15 cents per 100 pounds. Ethyl acetoacetate was currently being quoted on a delivered basis.

**Acid, Acetylsalicylic** — Reports from various quarters in the industry last week indicated that the demand for aspirin in the last few weeks had undergone a steady decline. Supplies were plentiful, and business for the coming summer months was expected to remain relatively quiet.

**Acid, Para-aminobenzoic** — The purified grade of this item used for medicinal purposes was currently quoted under a new price schedule at $3.75 per pound in 1,000 pounds lots, $3.85 in 500 pound lots, and $4.00 for 100 pound lots.

**Acid, Tartaric**—The price position of this item remained firm after the adjustments made some weeks ago. Demand was reported generally slow, and an abundance of material was available. Imports last week amounted to 200 bags. Demand was expected to improve somewhat with the warmer weather.

**Alcohol**—Announcements were made in some quarters last week of an approximate reduction of one third in the price of antifreeze of the ethyl alcohol type, which would reduce prices at the retail level from around $1.50 down to $1.00 per gallon. This was an attempt in the ethyl alcohol industry to recapture some of the antifreeze market which in recent years has been lost to methanol. Just how effective this effort will be was a matter of conjecture, but methanol producers took the attitude that they had little to fear from the move, pointing to certain advantages of methanol over ethanol such as greater temperature protection per gallon and the formation of a constant boiling mixture with water.

In the ethyl alcohol market, as such, there were no new developments pricewise. Demand was generally good as would be natural under present price schedules. By the time a price advance is effected consumers were likely to have inventory tanks filled with low priced alcohol and this would make demand for the next couple months after an advance, very slow.

**Argols**—Imports of argols continued heavy as they have been in recent weeks. Last week 940 bags arrived at New York. The price situation remained unchanged.

**Betaphenylethylamine** — This material maintained a firm price position and was moving in a steady flow under a sustained strong demand from the penicillin industry where it is used in manufacturing operations.

**Borax**—Effective on and after April 15, a major producer reduced the price of anhydrous technical borax by $7.50 per ton f.o.b. works. None of the other grades of borax or boric acid were affected by the change. This brought the quotation in bag carlot quantities to $70.50 per ton, and the quotation on bulk quantities to $64.00 per ton.

**Caffeine**—The supply situation on this item was described as abundant. Demand was relatively slow, and prices maintained their usual firm position. There was no indication that the quiet market condition would improve in the next few months.

**Castor Oil**—The demand for medicinal end uses of castor oil was holding relatively steady, but was off significantly from a year ago. The drop in demand for medicinal material was, however, mild compared to the decline in demand over recent weeks for the technical dehydration grades. The result has been a weak castor bean market in which only nominal quotations have prevailed for several weeks.

Arrivals of beans last week amounted to 5,430 bags equivalent to 814,500 pounds, compared with 32,259 bags or 4,838,850 pounds the previous week, and 6,788 bags or 1,018,200 pounds during the corresponding week of last year.

Total arrivals since January 1 amounted to 719,118 bags equivalent to 107,857,700 pounds, compared with 455,043 bags or 68,256,450 pounds during the corresponding period of last year.

The Department of Agriculture reported imports of castor beans in 1948 as totaling 302,511,000 pounds, compared with 276,807,000 pounds in 1947, and 132,924,000 pounds as the 1935-39 average. Imports of castor oil in 1948 totaled 2,441,000 pounds, compared with 6,595,000 pounds in 1947, and 226,000 pounds in the 1935-39 average.

**Charcoal, Activated**—The USP XIII grade of material was variously quoted by different producers under a price spread of some 7 cents per pound in large lots. Prompt shipment could be had from plentiful supplies in carlots at 25 to 32 cents per pound, while five ton quantities were quoted from 26½ to 32½ cents per pound, and less than 5 ton quantities varied according to producer and quantity from 33 to 50 cents per pound. Quotations were on an f.o.b. works basis.

**Chlorophyll**—The cosmetic and pharmaceutical grades of this material in both the oil soluble and water soluble forms were quoted in the range of $4.00 to $4.50 per pound.

**Cocoa Butter**—The market for this material strengthened pricewise and last week moved up to 46 cents per pound in carlot quantities, with less than carlot quantities available at 47 cents. This was a price recovery of 5 cents per pound after the declines of recent weeks.

**Corn Syrup**—One producer announced that effective May 9, the price per 100 pounds would be advanced 15 cents.

*For Late Market Developments, See Page 4*

## *Market Trends*

**Prices Advanced**

Cocoa butter, 5c. per lb.

**Prices Reduced**

Borax, anhydrous, tech., $7.50 per ton
Menthol, 15c. per lb.
Milk powder, skimmed, roller process, ¼c. per lb.
Procaine hydrochloride, 75c. per lb.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 256.2 | 256.6 | 257.5 | 254.9 |

*(For Current Prices see Page 9)*

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Meanwhile, orders would be accepted, it was announced, at the prevailing rates.

**Dicumarol**—The listing of this item in the prices current section of OPD was discontinued because the material was limited in sales offering to those who are able to get licenses from the Wisconsin Alumni Research Foundation. To those with such licenses, however, the material was offered under a firm price position as heretofore quoted at $24 per pound in lots of 100 pounds or more.

**Ethyl Acetoacetate** — This material was currently quoted on a delivered basis by all suppliers, whereas heretofore it had been offered in some quarters on a works basis and in others on a delivered basis. The price situation now existing was one in which prices were quoted on a delivered basis at 46c. per pound in tankcars, 47½c. in drum carlot quantities, and 48½c. in less than carlot quantities.

**Glycerin**—The glycerin market in which the natural product had assumed a price level comparable with synthetic production late last month, was regarded as rigidly firm in price. The balance between supply and demand was considered to be reasonable with the supply situation somewhat improved over recent months. Apparently the glycerin market having made its long expected price adjustment, had settled down to a price position that will be maintained over a long period.

**Glycerophosphates** — The glycerophosphate market was reported as generally steady in demand at its characteristic low level in most quarters, although there was still a reported good call stemming from one source. Prices were holding firm, and were as yet not affected by the recent price drop of 15c. per pound in glycerin.

**Isobutyl Alcohol**—This industrial solvent was virtually off the market and accordingly price listings in OPD were deleted. The product is essentially a by-product of certain industrial operations, and recently has been in only limited open sale. When and if substantial volume becomes available again, price listing will be resumed.

**Iso-octyl Alcohol** — This material was firmly quoted on a f.o.b. works basis at 27¾c. per pound in tankcars, 29¼c. per pound in drum carlots, and 29¾c. in less than carlot drum quantities. It was to be noted that the price of iso-octyl alcohol was only ¾c. per pound lower in price than 2-ethylhexyl alcohol, which does not account for the 1½c. per pound difference in certain quarters in price on phthalate plasticizers made from these respective alcohols.

**Lithium Salts** — These materials were holding a firm price position, and supplies were reported as ample. Demand was off slightly in line with chemicals generally. Quotations on drum quantities of the benzoate were firm at $1.65, the bromide was quoted at $1.90, the carbonate at $1.10, the chloride at $1, the citrate at $1.25, the fluoride at $1.95, the hydroxide at $1.10, and the salicylate at $1.62 to $1.70.

**Menthol**—The current domestic demand for this item was reported as seasonally very slow. Prices were off some 15c. per pound from former levels. Spot case lots could be had for $8.60 per pound and less than case lots at $8.80. The futures were reported as being discounted sharply.

**Milk Powder** — This market was relatively steady last week with a reported improvement in inquiry. The only reported commercial price change was a ¼c. drop in quotations on roller process skimmed milk powder. Out of 11,005,880 pounds of spray process skimmed milk powder offered, CCC purchased 10,233,830 pounds at 11.90c. to 12.00c. per pound on an f.o.b. basis. The entire offering of 4,143,475 pounds of roller process skimmed milk powder was purchased by CCC at 10.20c. to 10.50c. per pound on an f.o.b. basis.

**Ox Gall**—Concentrated granular material was quoted firmly at $2.50 per pound

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**Procaine Hydrochloride**—The market on this material has been undergoing a softening action in recent weeks after the tight supply situation that existed for a long time previously under pressure of demand stemming heavily from the procaine penicillin industry. The easing supply situation gave rise to price concessions in certain quarters, and this subsequently led to last week's reduction in official quotations on the order of 75 cents per pound. Lots of 200 pound drums which had heretofore been firmly quoted at $4.75 per pound were last week quoted as low as $4 per pound, and 100 pound drums likewise dropped from $5 per pound to $4.25 per pound. Not all producers had as yet reduced prices as drastically as this, and there were various sets of quotations ranging in between the price quotations mentioned above.

**Sulphathiazole** — One producer announced last week that their production of this item had been increased to a point where they were now in a position to make prompt shipment of sulphathiazole and its sodium salt. As a result of the heavy demand for sulpha drugs which developed last fall, this producer had heretofore been operating against a backlog of orders.

**Vitamin A Esters**—There was keen interest being shown in many quarters in the new synthetic production of vitamin A in the acetate and palmitate forms. The new products are esters of a bioactive synthetic vitamin A, and in view of the long continued shortage of vitamin A, these materals were looked upon as a potential answer to the supply problem. Currently, they are commercially available from limited production operations which are likely to expand as interest and demand increase. The synthetic acetate was being offered at a potency standardized at 1,000,000 A units per gram, under a price quotation of 55c. per 1,000,000 units. The synthetic palmitate was offered at a standardized potency of 800,000 A units per gram, and was quoted at 55c. per 1,000,000 units.

The acetate made from natural vitamin A was quoted in lots of 2,500 million units or more, at various potencies. The 200,000 to 400,000 unit natural acetate was quoted at 47c. per 1,000,000 units; the 400,000 to 750,000 unit material at 50c.; and the 750,000 to 1,000,000 unit material in large quantities as above at 51c.

The alcohol made from natural vitamin A was quoted in lots of 2,500 million units or more, at 44c. per 1,000,000 units for alcohol having a potency of 200,000 to 400,000 A units per gram. The 400,000 to 750,000 A unit material was quoted on the same basis at 47c., and the 750,000 to 1,000,000 unit material at 48c.

## *Dunbar Supports Bill*

*—Continued from page 3*

mittee that he became interested in the problem because of a letter from one of his constituents, the wife of a Standard Oil Company employee stationed in Venezuela.

**Laxness of Drug Laws**

Her letter, which was identical to others which have been received by other members of Congress from wives of constituents stationed in Venezuela, stated that she was "surprised and shocked to learn of the laxness of the Federal food, drug and cosmetic act which allows the export to Latin American countries of products prohibited for sale in the United States." She felt that this was not a good neighbor policy.

In his testimony to the committee, Commissioner Dunbar surprised industry representatives with the firm stand he took in favor of the bill. He submitted a number of samples of American drug products which had been collected by the State Department in Latin America and compared them with the products of the same manufacturers sold in the United States.

He said that American manufacturers are the most capable manufacturers in the world and America has the finest and purest supplies of these articles and the most honestly labeled products of any country in the world. The vast majority of the manufacturers are complying with standards of honesty in their claims of purity and potency, he added, but the extent to which cheats are permitted in the foreign market, the honest and reputable manufacturer is denied a satisfactory market.

The hearings, which were scheduled to conclude April 13 when industry representatives would be heard, were postponed until April 28 because an early session of the house required the attendance of the committee members on the house floor.

## McNeil Labs Appoints Kade Research Director

McNeil Laboratories, Inc., Philadelphia, has appointed Dr. Charles F. Kade jr. director of its division of medical sciences. In this capacity Dr. Kade will direct the research and development activities of the company. He was director of biochemical research of Frederick Stearns & Co. and associate member of the Sterling-Winthrop Research Institute before joining the McNeil organization.

## Innis, Speiden Advances Quartz

Innis, Speiden & Co., manufacturer and importer of chemicals, gums and waxes, New York, has appointed Milton H. Quartz assistant treasurer. Mr. Quartz has been credit manager of the company for the past twelve years.

## Sylk Accepts UJA Post

Harry S. Sylk, of the Sun Ray Drug Company, Philadelphia, has accepted the chairmanship of the national drugs and cosmetics division of the United Jewish Appeal.

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# An Analysis of the ITO Charter

—Continued from page 5

national and international action designed to attain the following objectives:—

"1. To assure a large and steadily growing volume of real income and effective demand, to increase the production, consumption and exchange of goods, and thus to contribute to a balanced and expanding world economy.

"2. To foster and assist industrial and general economic development, particularly of those countries which are still in the early stages of industrial development, and to encourage the international flow of capital for productive investment.

"3. To further the enjoyment by all countries, on equal terms, of access to the markets, products and productive facilities which are needed for their economic prosperity and development.

"4. To promote on a reciprocal and mutually advantageous basis the reduction of tariffs and other barriers of trade and the elimination of discriminatory treatment in international commerce.

"5. To enable countries, by increasing the opportunities for their trade and economic development, to abstain from measures which would disrupt world commerce, reduce productive employment or retard economic progress.

"6. To facilitate through the promotion of mutual understanding, consultation and co-operation the solution of problems relating to international trade in the fields of employment, economic development, commercial policy, business practices and commodity policy.

"Accordingly, they hereby establish the International Trade Organization through which they shall cooperate as members to achieve the purpose and the objectives set forth in this article."

In our desire for world peace and progress we would approve overwhelmingly most of the stated objectives, but to be practical we must know whether or not the functioning of the ITO under the charter offers reasonable hope of attaining those objectives, and what membership in it will cost us in material and ideological considerations.

Furthermore, as the only nation strong enough economically to offer any hope of leading the world out of the present situation, and with the program to which we will be committed by membership in the proposed Atlantic defense pact, not to mention the broad participation in world affairs very evidently contemplated by our government, we must determine whether we can best carry our responsibilities by adherence to the principles which have made our country strong, or by being tied into an organization the functioning of which will be governed largely by a type of thinking and the application of principles and practices foreign to our concepts.

**Weakness of Charter**

W. L. Clayton, one of the chief sponsors of the charter and an Assistant Secretary of State at the time it was written, has said: "The charter is complicated and

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difficult. It is long and detailed and technical." An analysis of the charter not only confirms that statement, but reveals the fatal weaknesses of lack of clarity and definiteness, in addition to many specific provisions wholly foreign to our economic ideas.

In any undertaking of the magnitude of this charter some matters must necessarily be left for decision or interpretation by a properly constituted authority, but the first requisite to success is at least a substantial agreement on the important elements involved.

That no such agreement has been reached is indicated by the fact that in many of the articles, paragraphs or subparagraphs of articles the language is ambiguous to such an extent as to require explanation or interpretation either of meaning or intent, or both.

**Special Provisions Listed**

Furthermore, attached to the charter is a series of twenty-one annexes which, as provided in article 105, form an integral part of the charter. They consist principally of explanatory notes, special provisions applying to certain members and interpretative notes.

Annex K uses more than 400 words to set up exceptions to the rule of non-discrimination by one member against another. Several of its provisions require interpretation of meaning and intent.

Annex P consists principally of interpretative notes applying directly to no less than fifty-four articles or paragraphs of articles in the charter and one interpretation of another annex. Here again much of the phraseology is subject to explanation or interpretation, with confusion superimposed on confusion.

Since it proved impossible for the negotiators at Havana to reach any real agreement on the content of the charter, what hope can there be of agreement on decisions and interpretations dealing with concrete issues involving many divergent interests and ideologies, many of which would affect directly the internal economies of several or all of the fifty-three or more nations involved?

*(This is the first of a series of three articles. The second will appear in next week's issue.)*

## Rake Appointed Director Of Squibb Research Inst.

Dr. Geoffrey W. Rake has been appointed director of the Squibb Institute for Medical Research, to succeed Dr. James A. Shannon, who has accepted a post with the National Heart Institute. Dr. Rake has been head of the division of microbiology of the Squibb Institute since its founding.

### Ga. Pharmacists Honor Wilson

Dr. Robert C. Wilson, dean emeritus of the University of Georgia School of Pharmacy, has been presented with a sterling silver platter designating him as the "father of modern pharmacy in Georgia" by the Georgia Pharmaceutical Association. Dr. Wilson is past president and secretary of the association.

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AMMONIUM CHLORIDE—476 bgs, Asbury Graphite Mills, Parthia, Liverpool

ANILIN COLORS—28 cyls, Sandoz Chemical Works, Luisa C, Genoa
19 cyls, Sandoz Chemical Co, President Polk, Genoa
11 dms, Ciba & Co, Parthia, Liverpool

ANTIMONY ORE—2,683 bgs, W R Grace & Co, Santa Maria, Antofagasta

ARABIC GUM—102 bgs, Meer Corp, Luisa C, Port Sudan
306 bgs, Innis, Speiden & Co, Luisa C, Port Sudan
250 bgs, T M Duche & Sons Co, Luisa C, Port Sudan
200 bgs, F A G Trading Co, Exminster, Port Sudan
750 bgs, Stein, Hall & Co, Hoegh Silvermoon, Port Sudan

ARGOLS—910 bgs, Tartaric Raw Materials Corp, President Polk, Genoa

ARSENIC—164 bbls, Cia Minera Asarco Co, Agwiprincess, Tampico

ASBESTOS FIBER—575 bgs, Johns Manville Co, John Bakke, Fremantle
600 bgs, Johns Manville Co, Hoegh Silvermoon, Fremantle

BALSAM—3 dms, Magnus, Mabee & Reynard, Inc, Cape Avinof, Cristobal
5 dms, Cape Avinof, Cristobal

BAUXITE ORE—3,580 tons, Aluminum Import Co, Sundial, Georgetown

BEESWAX—16 bls, Agwiprincess, Tampico
12 bgs, D Steengrefe, Cape Avinof, Santiago

BISMUTH—53 cs, Cerro De Pasco Copper Corp, Santa Maria, Callao

BONE MEAL—1,120 bgs, T M Duche & Sons Co, Fairland, Antwerp

BONES—120 bgs, International Packers Commercial Co, Hornero, Buenos Aires
2 cars, Geck Trading Co, Seatrain Texas, Havana
MEAL—1,200 bgs, Parthia, Liverpool

BUTTONLAC—100 bgs, F H Paul & Stein Co, Brynje, Rotterdam
100 bgs, Gillespie-Rogers-Pyatt Co, Exminster, Calcutta

CARAWAYSEED—200 bgs, Louis Furth Co, Fairland, Rotterdam

CARNAUBA WAX—112 bgs, Wax & Rosin Products, Mormacstar, Fortaleza

CINNAMON QUILLS—50 bls, D Hecht Co, Marine Snapper, Colombo
50 bls, Arthur G Dunn Co, Exminster, Colombo

CASTORBEANS—3,286 bgs, Baker Castor Oil Co, Tekla, Cabedello
1,666 bgs, Spencer Kellogg & Sons, Inc, Hornero, Recife
378 bgs, Baker Castor Oil Co, Helicon, Port au Prince

CITRONELLA OIL—54 dms, Kline & Co, Edam, Rotterdam

CODLIVER OIL—70 dms, Silmo Chemical Corp, Fort Townshend, Halifax
143 dms, Distillation Products Corp, Trollafoss, Reykjavik
40 ctns, Seafood Importers Corp, Trollafoss, Reykjavik

COPAL GUM—124 bgs, O G Innes Corp, President Polk, Singapore

CREAM OF TARTAR—150 cks, F H Tausig Co, Exochorda, Genoa

CRESYLIC ACID—1 dm, Metal Traders, Inc, American Ranger, London

CUMIN SEED—283 bgs, Otto Gerdau Co, Steel Artisan, Khoramshar
182 bgs, C M Van Sillevoldt Co, Steel Artisan, Khoramshar
410 bgs, Chase National Bank, Steel Artisan, Khoramshar
180 bgs, Max Van Pels, Steel Artisan, Khoramshar
274 bgs, Arthur G Dunn Co, Steel Artisan, Khoramshar
180 bgs, Khosrovshahi & Co, Steel Artisan, Khoramshar

CUTTLEFISH BONES—8 cs, Cornell Chemical Co, Marine Snapper, Naples

CYANIDE PRECIPITATE—11 cs, American Metal Co, Santa Maria, Puna

DYESTUFFS—12 cs, Sandoz Chemical Co, President Polk, Genoa

ESSENTIAL OILS—10 pkgs, Florasynth Laboratories, Inc, Exochorda, Marseilles
8 dms, Polak & Schwarz, Inc, Exochorda, Marseilles
4 dms, New York Trust Co, Exochorda, Marseilles
2 cs, Roure-Dupont, Inc, Exochorda, Marseilles
3 cks, Magnus, Mabee & Reynard, Inc, John Bakke, Genoa
7 dms, Fritzsche Bros, Inc, Marine Snapper, Marseilles
2 dms, Dodge & Olcott, Inc, Marine Snapper, Marseilles
3 dms, George Uhe Co, Marine Snapper, Marseilles
5 dms, Credit Suisse, Marine Snapper, Marseilles
12 bbls, Huxley Westfield Corp, President Polk, Marseilles
2 bbls, Tambarel Products Co, President Polk, Marseilles
17 cs, Kersten Shipping Agency, Santa Despo, Haifa
2 cks, Namgatuck Aromatics Co, Sobieski, Cannes
2 cks, D Robertet, Inc, Sobieski, Cannes
25 cs, G J Danco, Inc, Sobieski, Cannes
15 cs, Lo Curto & Funk Co, Sobieski, Cannes
1 cs, Tambarel Products Co, Sobieski, Cannes
20 dms, L A Champon Co, Extavia, Asfax
1 cs, Roure-Dupont, Inc, Exchester, Casablanca

EUCALYPTUS LEAVES—7 bls, Elmira Victory, Seville

EUPHORBIA LEAVES—7 bls, S B Penick & Co, Clan Macfarlane, Tuticorin

FERRO CHROMIUM—1,200 cs, Pioneer Wave, Yokohama
2,000 cs, J W Hampton, jr. & Co, Pioneer Wave, Yokohama
2,000 cs, Chase National Bank, Kyska, Yokohama

MOLYBDENUM—1,040 cs, J W Hampton, jr. & Co, Pioneer Wave, Yokohama
1,040 cs, Brown Bros-Harriman Co, Kyska, Yokohama

FLEASEED—805 bgs, Brown Bros-Harriman Co, Weybank, Bombay

FUEL OIL—12,447 tons, Socony Vacuum Oil Co, Calliroy, Aruba
93,000 bbls, Esso Export Corp, Esso Bolivar, Aruba
452 tons, Paragon Oil Co, President Brand, Curacao
10,000 bbls, Asiatic Petroleum Corp, Santa Rosa, Curacao
60,821 bbls, New England Pet Co, Ageron, Curacao
118,086 bbls, California Ref Co, Rock Landing, Puerto La Cruz
2,867,379 gls, Paragon Oil Co, Sanford B Dole, Aruba
4,242,000 gls, Esso Export Corp, Esso Bethlehem, Aruba
4,413,274 gls, Gulf Oil Corp, Chiwawa, Curacao
4,510,656 gls, Esso Standard Oil Co, Texas Trader, Caranito
2,710,230 gls, Asiatic Petroleum Corp, Christopher L Sholes, Curacao

GRAPHITE—500 bgs, Asbury Graphite Mills, Mandeville, Colombo
500 bgs, Asbury Graphite Mills, Marine Snapper, Colombo
500 bgs, J Dixon Crucible Co, President Polk, Colombo
250 bgs, Asbury Graphite Mills, President Polk, Colombo

GLUESTOCK—430 bls, H Remis Co, Seatrain Texas, Havana
299 bgs, Karr Ellis Co, Parthia, Liverpool
202 bgs, Transatlantic Animal By-Products Corp, Parthia, Liverpool

HYALCOL—3 bbls, Parthia, Liverpool

ILMENITE SAND—9,800 tons, National Lead Co, Britta, Koilthottam

IODINE, CRUDE—327 kgs, Anthony Gibbs & Co, Maipo, Talcahuano
171 cs, Felix Kramarsky, Trimont, Yokohama

IRON OXIDE—1,030 bgs, C J Osborn, Extavia, Malaga
589 bgs, Reichard Coulston Co, Extavia, Malaga
746 bgs, C K Williams Co, Extavia, Malaga
20 bbls, United Fruit Co, Extavia, Malaga

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133 bgs, Innis, Speiden & Co, Hoegh Silvermoon, Bombay
619 bgs, Jacques Wolf Co, President Polk, Bombay
184 bgs, Dodwell & Co, President Polk, Bombay
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KIRILAC—500 bgs, Milton Snedeker Corp, Exminster, Calcutta

LAVENDER OIL—1 dm, S Stern Henry Co, American Ranger, London

LEMONGRASS OIL—16 dms, Norda Essential Oil & Chemical Co, Clan Macfarlane, Cochin
5 dms, Verona Chemical Co, Clan Macfarlane, Cochin
12 dms, Norda Essential Oil & Chemical Co, President Polk, Cochin
12 dms, Naugatuck Chemical Co, President Polk, Cochin
1 dm, W J Bush Co, Cape Avinof, Cristobal

LOCUST BEAN GUM—250 bgs, Brown Bros-Harriman Co, Marine Snapper, Genoa
200 bgs, Bank of New York, Marine Snapper, Genoa
250 bgs, Brown Bros-Harriman Co, President Polk, Genoa
150 bgs, President Polk, Genoa
30 bgs, Irving Trust Co, President Polk, Genoa
25 bgs, Guaranty Trust Co, President Polk, Genoa

MAGNESITE—1,464 bgs, Golwynne Chemical Co, Weybank, Madras

MAGNESIUM CARBONATE—200 bgs, Reheis Co, Parthia, Liverpool

MEDICINAL HERBS—32 bgs, S B Penick & Co, Weybank, Calcutta
6 cs, Vermouth Industries of America, Exochorda, Genoa
13 bls, Peek & Velsor, Inc, Hornerco, Buenos Aires

SEED—202 bgs, S B Penick & Co, President Polk, Bombay

MICA—587 cs, Asheville Schoonmaker Mica Co, Weybank, Calcutta
44 cs, James F Garneau Co, Weybank, Calcutta
590 cs, Cornelius & Suhr, Weybank, Calcutta
50 cs, Habers Export Agency, Weybank, Calcutta
70 cs, Cornelius & Suhr Co, Weybank, Calcutta
66 cs, Ernst Roth Co, Weybank, Calcutta
15 cs, United Mineral & Chemical Co, Weybank, Calcutta
46 cs, Alfred D Brown Co, Weybank, Calcutta
50 cs, Ford Radio & Mica Co, Weybank, Calcutta
81 cs, Otto Gerdau Co, Weybank, Calcutta
401 cs, Amrilex Industries, Inc, Weybank, Calcutta
125 cs, Eugene Munsell, Weybank, Calcutta
160 cs, Asheville Schoonmaker Mica Co, Weybank, Madras
185 cs, Cornelius & Suhr, Inc, Weybank, Madras
259 cs, Cornelius & Suhr, Inc, Exminster, Calcutta
365 cs, Habers Export Agency, Exminster, Calcutta
485 cs, Asheville Schoonmaker Mica Co, Exminster, Calcutta
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441 bgs, United States Mica Co, Exminster, Calcutta
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83 cs, Otto Gerdau Co, Exminster, Calcutta
230 cs, Cosmopolitan Trading Corp, Tekla, Rio de Janeiro
66 cs, Eugene Munsell & Co, Tekla, Rio de Janeiro
8 cs, Sylvania Elec Products Co, Tekla, Rio de Janeiro
58 cs, Cosmopolitan Trading Co, Hornero, Rio de Janeiro
72 cs, Western Hemisphere Raw Material Corp, Mormacstar, Rio de Janeiro
7 cs, Sylvania Electric Products Corp, Mormacstar, Rio de Janeiro
40 cs, American Mica Works, Mormacstar, Rio de Janeiro
102 cs, Cornelius & Suhr Co, Explorer, Madras
60 cs, Sigbert Loeb, Explorer, Calcutta
45 cs, Eugene Munsell Co, Explorer, Calcutta
413 cs, Asheville, Schoonmaker Mica Co, Explorer, Calcutta
20 cs, United Mineral & Chemical Corp, Explorer, Calcutta
5 blocks, Otto Gerdau Co, Explorer, Madras
199 cs, United Mineral & Chemical Co, Explorer, Madras
35 cs, Asheville, Schoonmaker Mica Co, Explorer, Madras
31 cs, American Mica Works, Explorer, Madras
50 cs, Explorer, Madras
86 cs, Asheville Schoonmaker Mica Works, African Crescent, Durban
3 cs, Brown Bros-Harriman Co, American Flyer, London
63 cs, United Mineral & Chemical Corp, Herdis, Rio de Janeiro
18 cs, Colonial Trust Co, Hardis, Rio de Janeiro
76 cs, Cosmopolitan Trading Co, Celestial, Rio de Janeiro
20 cs, Gillespie-Rogers-Pyatt Co, Celestial, Rio de Janeiro
6 cs, Sylvania Electrical Products Corp, Celestial, Rio de Janeiro
1,539 cs, Asheville Schoonmaker Mica Co Manipur, Calcutta
256 cs, Otto Gerdau Co, Manipur, Calcutta
75 cs, Schwab Bros, Maniour, Calcutta
450 bgs, U S Mica Co, Manipur, Calcutta
770 cs, Gillespie-Rogers-Pyatt Co, Manipur, Calcutta
28 cs, United Mineral & Chemical Co, Manipur, Calcutta
19 cs, William Brand Co, Manipur, Calcutta
210 cs, Otto Gerdau Co, Manipur, Calcutta
262 cs, Asheville Schoonmaker Mica Co, Manipur, Calcutta
35 cs, James F Garneau Co, Manipur, Calcutta
500 cs, Ford Radio & Mica Works, Manipur, Calcutta
9 cs, Sylvania Electric Products, Uruguay, Rio de Janeiro
365 cs, Selma Victory, Mombasa

MICA—115 cs, Asheville Schoonmaker Mica Co, Selma Victory, Mombasa
15 cs, Whittaker, Clark & Daniels, Inc, Selma Victory, Mombasa
12 cs, Mineral Insulation Co, Selma Victory, Beira
3 cs, H S Williams Co, Selma Victory, Beira
45 cs, James F Garneau Co, City of Kimberly, Calcutta
23 cs, Stein, Hall & Co, City of Kimberly, Calcutta
15 cs, Bank of New York, City of Kimberly, Calcutta
3 cs, Brown Bros-Harriman Co, City of Kimberly, Calcutta
140 cs, Asheville Schoonmaker Mica Co, City of Kimberly, Calcutta
7 cs, Cornelius & Suhr Co, City of Kimberly, Calcutta
52 cs, Eugene Munsell Co, City of Kimberly, Calcutta
59 cs, Whittaker, Clark & Daniels, Inc, City of miKberly, Calcutta
34 cs, United Mineral & Chemical Co, City of Kimberly, Madras
163 cs, Alfred D Brown Co, City of Kimberly, Madras
14 cs, Industrial Mica Co, City of Kimberly, Madras
50 cs, Asheville Schoonmaker Mica Co, City of Kimberly, Madras
45 cs, William Brand Co, City of Kimberly, Madras
8 cs, Sylvania Electric Products Co, Bunker Hill, Rio de Janeiro

MONTAN WAX—625 bgs, Noble Products Co, Arkansas, Gdynia

MYROBALANS—400 bgs, Hammond & Carpenter, Exminster, Bombay
2,640 bgs, Hammond & Carpenter Co, Hoegh Silvermoon, Bombay

NAPHTHALENE—2,000 bgs, Arkansas, Gdynia
1,000 bgs, Charles Page Co, Arkansas, Gdynia

NISPERO GUM—73 cs, L A Dreyfus Co, Cape Avinof, Cristobal

NUTMEG OIL—3 cs, Magnus, Mabee & Reynard, Inc, President Polk, Penang

OITICICA OIL—243 dms, Brown Oil & Chemical Co, Hornero, Recife

OLIBANUM GUM—202 bgs, Lo Curto & Funk Co, Exminster, Massawa

ORANGE OIL—4 cs, Cape Avinof, Cristobal

PAPAIN—27 cs, American Ferment Co, Mandeville, Colombo
28 cs, S B Penick & Co, Marine Snapper, Colombo
10 cs, S B Penick & Co, Exminster, Colombo

PATCHOULI OIL—3 cs, F H Paul & Stein Bros, Marine Snapper, Singapore

PEPPER, BLACK—160 bgs, American Ranger, London
160 bgs, Marine Snapper, Genoa
160 bgs, Arthur G Dunn Co, Weybank, Colombo
240 bgs, J Berlage, Exminster, Bombay
240 bgs, Mincing Trading Co, Clan Macfarlane, Cochin
160 bgs, Joensson & Cross, Clan Macfarlane, Cochin
640 bgs, Joensson & Cross, Hoegh Silvermoon, Alleppey
1,280 bgs, Volkart Bros, Hoegh Silvermoon, Alleppey
240 bgs, Mincing Trading Co, Hoegh Silvermoon, Alleppey
160 bgs, Eggar, Forrester & Verner, Hoegh Silvermoon, Alleppey
479 bgs, Otto Gerdau Co, Hoegh Silvermoon, Alleppey
320 bgs, Mincing Trading Co, Hoegh Silvermoon, Bombay
240 bgs, Internatio Rotterdam, Hoegh Silvermoon, Bombay
219 bgs, East India Trading Co, Hoegh Silvermoon, Bombay
160 bgs, M Golodetz Co, President Polk, Bombay
160 bgs, Interport Commercial Co, President Polk, Bombay
160 bgs, Joensson & Cross, President Polk, Bombay

PETROLEUM, CRUDE—111,515 bbls, Esso Standard Oil Co, Fort Stephenson, Cartagena
111,900 bbls, Esso Standard Oil Co, Kittanning, Cartagena
5,286,582 gls, Esso Standard Oil Co, Esso New Haven, Puerto La Cruz
78,373 bbls, Cities Service Oil Co, Loideste, Tampico
117,505 bbls, Esso Standard Oil Co, Joshua Tree, Mena
120,027 bbls, Imperial Oil Co, Ltd, Yamhill, Puerto La Cruz
127,476 bbls, Socony Vacuum Oil Co, Mill Spring, Puerto La Cruz
121,156 bbls, Socony Vacuum Oil Co, Samoset, Guanta
109,462 bbls, Esso Standard Oil Co, Kate N L, Cartagena
15,445 tons, M G Gamble Co, Esso Normandie, Ras Tanura
90 dms, Argentine Oil Fields Corp, Rio Segundo, Buenos Aires

PHARMACEUTICALS—7 cs, Sandoz Chemical Co, Luisa C, Genoa

POPPYSEED—606 bgs, Atlanta Products Corp, Arkansas, Gdynia
150 bgs, Catz American Co, Fairland, Rotterdam
221 bgs, Luis Furth Co, Brynje, Rotterdam
441 bgs, Levy & Lewis Co, Brynje, Rotterdam

POTASH SALTS—20 kgs, Mager Bros, American Ranger, London
50 kgs, A Gusmer, Inc, American Ranger, London

QUEBRACHO EXTRACT—4,470 bgs, River Plate Import & Export Co, Hornero, Buenos Aires
2,018 bgs, Imex Corp, Hornero, Buenos Aires

QUICKSILVER—100 flasks, New York Trust Co, Agwiprincess, Tampico

RESIN, SYNTHETIC—191 cs, Bakelite Corp, Marques de Comillas, Havana

RUTILE SAND—1,542 bgs, Brown Bros-Harrimann Co, John Bakke, Brisbane

SANDALWOOD—48 bgs, Peek & Velsor, Inc, President Polk, Bombay
50 bgs, George Lueders & Co, President Polk, Bombay
OIL—12 cs, Volkart Bros, Hoegh Silvermoon, Bombay

SEEDLAC—600 bgs, Gillespie-Rogers-Pyatt Co, Weybank, Calcutta
250 bgs, United Shellac Co, Weybank, Calcutta
100 bgs, William Zinsser Co, Weybank, Calcutta
750 bgs, The Mac Lac Co, Exminster, Calcutta
550 bgs, Bradshaw Praeger Co, Exminster, Calcutta
250 bgs, The Mantrose Co, Exminster, Calcutta
100 bgs, William Zinsser Co, Exminster, Calcutta

SENNA LEAVES—150 bls, S B Penick & Co, Weybank, Tuticorin
25 bls, Peek & Velsor, Inc, Clan Macfarlane, Tuticorin

PODS—50 bls, S B Penick & Co, Weybank, Tuticorin

SHARKLIVER OIL—23 bbls, Van Gelder Fants Co, Weybank, Bombay
18 dms, Distillation Products Corp, Trollafoss, Reyjavik

SHELLAC—250 bgs, The Mac Lac Co, Weybank, Calcutta
50 bgs, Gillespie-Rogers-Pyatt Co, Weybank, Calcutta
100 bgs, P N Rowe Co, Weybank, Calcutta
500 bgs, Reuben Import & Export Co, Exminster, Massawa
550 bgs, Gillespie-Rogers-Pyatt Co, Exminster, Calcutta

SHELLAC—200 bgs, Bradshaw Praeger Co, Exminster, Calcutta
150 bgs, P N Rowe Co, Exminster, Calcutta

SIENNA, BURNT—100 bgs, Reichard Coulston, Exochorda, Leghorn

SILICO CALCIUM—239 bgs, Meehanite Metal Corp, Ogna, Rouen

SOAP BARK—501 bls, S B Penick & Co, Maipo, Talcahuano

SODIUM THALLIUM—1 cs, H S Dorf Co, Ogna, Havre

STEATITE—5 blocks, M Kirchberger, Marine Snapper, Leghorn

STRONTIUM CARBONATE—23 dms, International Selling Corp, Exochorda, Marseilles

TARTARIC ACID—80 kgs, John Bakke, Genoa
200 kgs, Tartaric Raw Materials Corp, President Polk, Genoa

TEA WASTE—734 bgs, Harrison & Crosfield Co, Weybank, Calcutta
700 bgs, Maywood Chemical Works, President Polk, Colombo

THEOBROMINE—88 dms, Chemical Bank & Trust Co, Parthia, Liverpool

TURMERIC—160 bgs, East India Trading Co, Clan Macfarlane, Cochin

VANILLA BEANS—30 cs, Wedemann & Godknecht Co, Exochorda, Marseilles
40 cs, M Rothschild Co, President Polk, Singapore

VETIVER OIL—1 dm, Lo Curto & Funk Co, Marine Snapper, Singapore
2 cs, Centflor Mfg Co, President Polk, Singapore

WOLFRAM ORE—250 bgs, W R Grace & Co, Santa Maria, Mollendo

ZIRCON SAND—4,000 bgs, Metal & Thermos Corp, John Bakke, Brisbane
10,000 bgs, National Lead Co, Hoegh Silvermoon, Brisbane

## Philadelphia

### April 5 to April 9

AMBLYGONITE ORE—37,300 lbs, Foote Mineral Co, Robin Ketterig, Mombasa
224,280 lbs, Foote Mineral Co, Selma Victory, Walvis Bay

BERYL ORE—220,000 lbs, Fleichman Bus Co, Troubador, Victoria

BONE GRIST—792 bgs, Abbedijk, Montevideo
11,158 bgs, Elbert & Co, Rio Chico, Rosario

CANARYSEED—111 bgs, Transatlantic Corp, Exchester, Casablanca

CHROME ORE—5,899 tons, E J Lavino & Co, Selma Victory, Beira

CLAY—100 tons, T Sant Co, Wells City, Avonmouth
190 tons, United Clay Mines, Wells City, Avonmouth
219 tons, Paper Makers Corp, Wells City, Avonmouth
41 tons, United Clay Mines Co, Wells City, Avonmouth
480 tons, Moore & Munger Co, Wells City, Avonmouth

FUEL OIL—11,383 bbls, J M Patterson, Perote, Curacao

MOLASSES—1,149,850 gals, Publicker Industries Inc, Natico, Cienfuegos
800,000 gals, Publicker Industries Inc, Natico, Manopla

PETROLEUM, CRUDE—116,993 bbls, Gulf Oil Corp, Gulfmills, Puerto La Cruz
122,033 bbls, The Atlantic Ref Co, Atlantic Tansporter, Pamatacual
121,807 bbls, Socony Vacuum Oil Co, Stony Point, Covenas
106,359 bbls, Atlantic Refg Co, Atlantic Belgium, Puerto la Cruz
122,106 bbls, Socony Vacuum Oil Co, Satucket, Covenas
119,336 bbls, Gulf Oil Corp, Gulfwing, Puerto La Cruz
120,053 bbls, Gulf Oil Corp, Gulfmeadows, Puerto La Cruz
98,045 bbls, The Texas Co, Gallia, Ras Tanura
117,325 bbls, Atlantic Ref Co, Atlantic Travel, Ras Tanura
116,299 bbls, Gulf Oil Corp, Gulfpeak, Puerto La Cruz
73,176 bbls, Socony Vacuum Oil Co, Myrto, Covenas
112,578 bbls, Gulf Oil Corp, Apache Canyon, Mena, El Ahmadi
142,845 bbls, Gulf Oil Corp, Gulfpride, Puerto La Cruz

POLUCITE ORE—4,383 lbs, Foote Mineral Co, Selma Victory, Walvis Bay

POTASH, PRUSSIATE—1 kg, C W Speigel Co, John B Waterman, Antwerp

WHITING—4,535 tons, Southwark Mfg Co, Malatya, London

## San Francisco

### April 5 to April 8

ASBESTOS FIBER—1,000 bgs, Paraffine Co, Silversandal, Lourenco Marques

BISMUTH—30 cs, New Ilham Co, Chin Transport, Fusan

BONE BLACK—800 bgs, C H Sugar Ref Co, Loch Avon, London

BONES—622 tons, International Packers Commercial Corp, Ravnanger, Rosario

CARAWAYSEED—75 bls, McClintock Stern Co, Vire, Antwerp
150 bgs, D Hecht Co, Vire, Antwerp

CASSIA—50 bls, Wah Youn Co, Francisville, Hongkong

COPRA MEAL—6,692 bgs, R J Roesling Co, China Transport, Manila
3,360 bgs, Atkins Kroll Co, Silverwalnut, Manial

FISHLIVER OIL—70 dms, New Ilham Co, China Transport, Fusan

GINGER—20 bgs, A Schilling & Co, Loch Avon, Kingston
25 bgs, Loch Avon, Kingston

MACE—27 cs, Catz American Inc, Silverwalnut, Singapore

NIAUOLI OIL—1 dm, A L Leschot Co, Thor I, New Caledonia

NUTMEGS—183 bgs, Silverwalnut, Singapore

PEPPERMINT—10 cs, Wells Fargo Co, Anchor Hitch, Cristobal

POTASSIUM CHLORATE—2 dms, Grace Lines Inc, Anchor Hitch, Cristobal

PYROTECHNICS—17 ctns, Irving Ross Co, President McKinley, Hongkong
150 cs, Dodwell & Co, Leise Maersk, Hongkong
1,500 cs, Taylor Fireworks Co, Luxembourg Victory, Hongkong
950 cs, W L Steward Co, Luxembourg Victory, Hongkong
1,149 cs, W L Steward Co, China Bear, Hongkong
390 cs, F P Dow Co, China Bear, Hongkong

SESAME SEED—100 bgs, B C Ireland Co, Anchor Hitch, Corinto

SHARK LIVERS—16 dms, Craig Stanton International Mfg Co, China Transport, Fusan

SHELLAC—50 bgs, Henry W Peabody Co, Silverwalnut, Calcutta

VANILLA BEANS—15 cs, Thor I, Papeete
13 cs, Rieger Co, Thor I, Papeete

## Bids Wanted

**Aluminum hydroxide gel,** 9,000 gallons, Veterans Administration (Washington 25) invitation A-108, April 21.

**Aluminum phosphate gel,** 1,080 gallons, Veterans Administration (Washington 25) invitation A-108, April 21.

**Ammonia, anhydrous,** as required from July 1, 1949, Veterans Administration Hospital (Wichita 8, Kan.) invitation 50-2, April 26.

**Baking soda,** 420,012 pounds, Quartermaster Purchasing Office (Chicago 9) invitation 1048, April 29; 51,000 pounds, Veterans Administration (Washington 25) invitation 171-S, April 20.

**Borax,** 1,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1587, April 21.

**Calcium carbide,** 400,000 pounds, Navy Purchasing Office (New York 3) invitation 4524, part 1, May 5.

**Chemicals and Drugs,** various, Armed Services Medical Procurement Agency (Brooklyn 1, N.Y.) invitation 1191, April 25; invitation 1189, April 25; invitation 1188, April 25; invitation 1183, April 25; invitation 1197, April 25; Veterans Administration (Washington 25) invitation A-108, April 21.

**Chrome yellow,** in oil, 2,000 gallons, Purchasing Officer (Panama Canal, Washington 25) schedule 9263, April 25.

**Cornstarch,** 390,000 pounds, Quartermaster Purchasing Office (Chicago 9) invitation 1050, April 28; 400,032 pounds, invitation 1049, April 28.

**DDT,** concentrate, 54,250 gallons, Navy Purchasing Office (New York 3) invitation 4519, May 4.

**De-icing fluid,** 25,016 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1556, April 21.

**Diatomaceous silica,** 24,550 pounds, Army Engineers Corps (Chicago 6) invitation 913, April 19.

**Diethyl ether,** 485,000 pounds, Navy Purchasing Office (New York 3) invitation 4526, May 4.

**Diphenylamine,** 55,000 pounds, Navy Purchasing Office (New York 3) invitation 4526, May 4.

**Disinfectant,** cresolic, 62,500 gallons, Quartermaster General of the Marine Corps (Navy Building, Washington 25) invitation 928, May 3.

**Drugs and biologics,** including nikethamide, psysostigmine, salicylate, sulfathiazole, thiamine hydrochloride, tetanus antitoxin, tuberculin tests, rabies vaccine, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 1185, April 25.

**Ethyl alcohol,** 50,000 pounds, Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 244, May 5.

**Ethyl cellulose,** 2,500 pounds, Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 250, April 22.

**Lacquer, pyroxylin,** 2,714 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1591, April 26.

**Lapping and polishing compound,** U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1729, April 21.

**Oxygen and actylene gas,** Veterans Administration Hospital (Wichita 8, Kansas) invitation 50-1, April 26.

**Paint remover,** 1,000 gallons, Purchasing Officer, Panama Canal (Washington 25) schedule 9263, April 25; 364 gallons, Bureau of Federal Supply (Washington 25) invitation 5G-74735-R, April 19.

**Paraformaldehyde,** 1,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1587, April 21.

**Potassium nitrate,** 30,000 pounds, Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 243, April 18.

**Potassium sulphate,** 50,000 pounds, Navy Purchasing Office (New York 3) invitation 4526, May 4.

**Protective compound,** hot dipping, strippable, 25,000 pounds, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 531, May 3.

**Red lead,** in oil, 1,000 pounds, District of Columbia Government (Washington 1) schedule 13167-A, April 19; dry, 500 pounds, schedule 13220, April 19.

**Silica gel,** desiccant, Army Signal Corps (Philadelphia 45) invitation 2718, May 5.

**Silicon carbide,** buffing, 10,000 pounds, U. S. Air Force (Kelly Field, Texas) invitation 219, April 19.

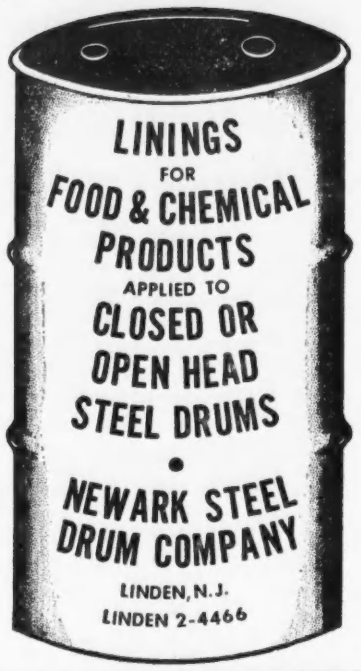
**Sodium cyanide,** 30,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1587, April 21.

**Sodium sulphide,** crystals, 1,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1587, April 21.

**Sodium Thiosulphate,** 30,000 pounds, Army Map Service (Washington 16) invitation 54, April 26.

**Sweeping Compound,** 250,000 pounds, Quartermaster General of the Marine Corps (Navy Building, Washington 25) invitation 903, May 3.

**Thinner, paint,** 11,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 519, April 28.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| CHLORBUTANOL | PENTOBARBITAL SODIUM |
| CINCHOPHEN | PHENOBARBITAL |
| CINCHOPHEN SODIUM | PHENOBARBITAL CALCIUM |
| 8-HYDROXYQUINOLIN | PHENOBARBITAL SODIUM |
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# Botanical Drugs, Spices, Gums

With the exception of some trading in articles strictly of seasonal character at this time of the year, the market for botanical drugs was a quiet affair locally last week. Judging from reports received direct from the domestic primary market, the quiet there was fully as great as on the spot. The trend of prices continued downward in the main and it seemed clear that primary market collectors expected to pay less for collections than they did a year ago. On spot, prices on medicinal botanics tended downward, possibly in keeping with the fact that most factors have begun to take inventory and some drugs have been revalued. The market index held at 185.7, which contrasted with a year ago when it dropped 0.5 points to 228.1.

Some comments from the domestic origin held interest for those to whom crop prospects are important. For example, one collector said that "so far this season, receipts have been very light and some articles all sold up. We understand there is considerable unemployment but whether people who formerly gathered roots, herbs and barks are in a position to buckle down to menial labor again remains to be seen. It seems that people have changed in regard to what kind of work they wish to pursue, and as a rule lead towards the least line of resistence, which surely does not apply to digging roots and gathering herbs."

Another quarter had this to report. "Just now there seems to be a bit more interest on the part of the gatherers than was the case last year. We are afraid present prices offered by us will discourage them after they try gathering, but this remains to be seen."

A well informed third contributed this. "It looks as though roots and herbs might be purchased a little lower this year than they were last, if no large quantity is wanted. But this is what I believed last year and I found I was wrong. There will probably be more botanics gathered this year in the South but the price as a whole will not be much lower than last season."

The above paragraphs are direct quotations from information received from the origins where the broad trend of prices offered to workers by collectors was downward. Furthermore, the buying lists already issued to gatherers show, when compared with those issued a year ago, that the reductions exceed advances by two to one.

## Balsams

**Peru**—Some dealers declared that present prices were not warranted in the least if the spot quotations were to reflect the present replacement cost named in cables from the origin. Some did advance prices last week. Others awaited further news.

## Barks

**Bayberry**—Domestic collectors who feature this item offer less money for it than they did a year ago. It seems likely that enough of this small item will be available.

**Shonny Haw**—Practically every collector in the domestic primary market has trimmed something off the prices offered collectors just a year ago. The reduction in 1949 buying prices has been general and not much difference in the degree of reduction exists at the present time. The drop applied to both bush and root barks.

## Beans

**Vanilla**—Through a barter arrangement, the French have arranged to exchange Bourbon vanilla beans for American textiles. The arrangement was said to involve about forty-one tons of beans of which about twenty-four tons were said to be afloat last week. Comment in the spot market was that the house providing the textiles had valued them high, sufficiently so to permit the sale of the Bourbon beans received in exchange to be sold at less than the official price of the French government.

The attitude of most local dealers was that normality in the vanilla bean business cannot come until the French restore a free, open, uncontrolled, and unrestricted traffic in beans upon which the French islands depend so much for revenue. Such restoration last week seemed far away and a textile house as entrepreneur in the sale of French beans to American importers constituted a situation the end of which was by no means in sight.

## Berries

**Cubeb** — Only jobbing interest was shown in the item last week and not much of that was reported locally. Prices lacked change but they did not seem to be any too steady at the levels reported.

**Prickly Ash**—The Spring price lists of buyers at the origin named very low prices to collectors of this berry and it seemed likely that the material would be generally neglected.

## Flowers

**Lavender** — The new crop season spreads ahead and some on spot said that they expected to buy at lower prices in France. However, in view of the improvement in the value of the French franc, lower replacement costs in 1949 may prove to be a myth.

**Saffron**—The spot market on Spanish flowers was weak. Open quotations lacked change but it was virtually certain that prompt deliveries could be obtained at substantial concessions from the prices usually mentioned as the market. Demand was poor.

## Gums

**Karaya**—Some shipper in Bombay, India, varied the recent custom of supplying the United States with karaya gum mixed with substantial portions of rat dung. The variation consisted in substituting some olibanum gum for a part of the karaya exported but did not eliminate the usual quota of excreta. Since the first of this year, about 5,400 bags of this gum have been detained on arrival here by order of the Food and Drug Administration. Until this detained gum has been satisfactorily cleaned, the administration would not release it for consumption and dealers said last week that when released it

For Late Market Developments, See Page 4

## *Market Trends*

**Prices Advanced**

*Drugs*

Ginger root, African, 1c. per lb.
Quassia chips, 1c. per lb.

*Other Articles*

Allspice, Mexican, 1¼c. per lb.
Nutmegs, West Indian, 2c. per lb.
Pepper, white, spot, 1c. per lb.
May arrival, 1c. per lb.

**Prices Reduced**

*Drugs*

Bryonia root, 4c. per lb.
Burdock root, 3c. per lb.
Calamus root, domestic, 1c. per lb.
Cranesbill root, 2c. per lb.
Dandelion root, 4c. per lb.
Ginger root, Jamaica, No. 3, 1c. per lb.
Kava kava root, 3c. per lb.
Serpentaria root, 20c. per lb.
Snake root, Canada, 2c. per lb
Squaw vine leaves, 5c. per lb.
Tamarinds, 2c. per lb.
Yerba santa leaves, 5c. per lb.

*Other Articles*

Anise, star, ½c. per lb.
Mexican, 1½c. per lb.
Caraway seed, Dutch, ½c. per lb.
Danish, ½c. per lb.
Cassia, Honan, rolls, scraped, ½c. per lb.
unscraped, ½c. per lb.
broken, ½c. per lb.
Yunnan, rolls, scraped, ½c. per lb.
broken, ½c. per lb.
unscraped, ½c. per lb.
broken, ½c. per lb.
Fennel seed, Indian, ½c. per lb.
Mace, Amboyna, 3c. per lb.
Siauw, No. 1, 5c. per lb.
Pepper, black, spot, 6c. per lb.
April arrival, 4c. per lb.
March shipment, 2c. per lb.
April shipment, 2c. per lb.
May shipment, 2c. per lb.
Sesame seed, Salvadorean, ½c. per lb.
Tarragon leaves, 10c. per lb.
Turmeric root, Madras, 1c. per lb.

**Comparative Price Indexes**

(100 - August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 185.7 | 185.7 | 187.5 | 228.1 |

(For Current Prices see Page 5)

## *Imports Detained by FDA*

**Week Ended April 8**

**New York**

Caraway seed, 100 bags: filthy.
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Mace, 24 cases: live and dead insects.
Nutmegs, 176 bags: wormy and moldy.
Oregano, 250 bags: no English label.
Rhubarb root, 8 cases: insect bored.
Safflower, 5 bales: filthy.
Sesame seed, 134 bags: filthy.
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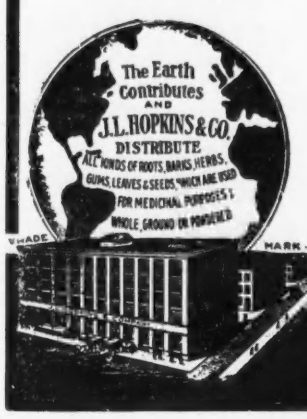


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could be used only for technical purposes. The cost of recleaning runs 2c. to 3c. per pound and, according to dealers, should be added to the price named to buyers for consumption. The tendency on spot last week was to raise quotations along that line. A fairly representative citation of the market seemed to be No. 1 powder at 51c. to 52c. per pound; No. 2, 47c. to 48c; No. 3, 39c. to 40c.

**Olibanum**—Locally, the market was about steady but current demand was light and usually within jobbing limits. At the origin, prices were reported well maintained in the absence of competition.

## Herbs and Leaves

**Peppermint**—Some collectors of domestic herb reported an advance in their prices to gatherers of the 1949 crop. No change was made in the schedule on leaves of domestic origin.

**Queen of the Meadow**—This was another domestic item for which collectors of leaves in some instances raised prices offered for the new crop. Not all of them, however, were in that position and several avoided the item entirely.

**Spearmint**—Some factors in the domestic primary market were willing to pay slightly higher prices for new crop collections and the rise in some instances was fairly substantial. Others retained prices in effect a year ago.

**Squaw Vine**—Spot quotations were down to the basis of 35c. to 40c. per pound and reports from the domestic primary market showed that collectors there had posted 1949 crop prices that are lower than those proposed to gatherers a year ago.

**Tarragon**—Though the spot stock of leaves was not large or widely distributed, goods were offered at the lower quotation of 85c. to 90c. per pound at the close of last week.

**Witch Hazel**—Some primary market operators were disposed to pay more for new crop collections this year. Others actually reduced their prices posted on leaves. The situation was mixed still further by the failure of some factors to make any change from prices posted fully a year ago.

**Yerba Santa**—Demand for this article has dwindled sharply and with curtailment of its use this article has become available on spot at the lower quotation of 30c. to 35c. per pound.

## Miscellaneous

**Quassia Chips**—Sellers were able to get slightly higher prices on this item and on firm orders last week for quantities rather larger than had featured recent takings, sellers obtained 8c. to 9c. per pound according to quantity.

**Tamarinds**—West Indian material was shaded under competition to the basis of 10c. to 15c. per pound in a noteably dull market.

## Roots

**Bryonia**—The local inactivity led to development of a more competitive attitude in some quarters and by the close of last week quotations were down to 30c. to 35c. per pound.

**Burdock**—Spot offerings were available at lower quotations, the market being 20c. to 25c. per pound and subject to very light request.

**Cranesbill**—Undertones were softer and prices weaker. Under competition, it was possible to place firm orders at 28c. to 30c. per pound. The supply exceeded current demand.

**Dandelion**—Sellers were disposed to reduce stocks to some extent now that the period is at hand when it becomes difficult to store this root without loss. The market was down to 40c. to 45c. per pound.

**Ginseng**—Perhaps the fact that three "barrels" of this root disappeared from a Louisville, Ky., warehouse vault on April 6 will bring some strengthening of the market position of this material. A conspicuous lack of export requirements continued to keep the market soft without prices being actually reduced. Exports in 1948 totaled 126,594 pounds of which 120,798 pounds went to Hong Kong and the balance was sent variously to Canada, Cuba, Curacao, Sweden, Burma, Siam, French Indo-China, British Malaya, Philippine Islands, and China.

**Kava Kava**—In some respects it was a buyers' market on this root without the benefit of many buyers in search of supplies. Competition brought prices lower on the basis of 25c. to 30c. per pound.

**Mandrake**—Most primary market advices report no carryover. This seemed to be a factor for future market strength since in normal times a substantial quantity would be in hand at the beginning of the new collection season. Most primary market factors retained buying prices at

—*Continued on page 75*

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# Essential Oils, Other Aromatics

Most reports concerning business in the market for essential oils and aromatic chemicals recorded demand as moderate and certainly not generally expansive; stocks as ample and in excess of apparent requirements; replacement costs as showing little change; and prices as still tending easily to meet buyer's views. Italian bergamot, USP cassia, Messina lemon, Brazilian and Floridian orange, redistilled peppermint, spearmint, and Java vetiver oils were all lower on the week. Citronellal, eucalyptol, and linalyl acetate from petitgrain oil were also down. Canadian snakeroot and distilled oil of ginger were the sole advances. The market index dropped 1.7 points to arrive at 103.4 in comparison with 138.2 a year ago when it was 0.8 point lower.

Some quarters did find some improvement in the movement of lemon, lime and orange oils—though such improvement was not generally reported. However, it seemed reasonably certain that trade in those seasonal items had picked up moderately and it should expand during the months immediately ahead.

Some sellers featuring sales to the perfume and cosmetic industries indicated that manufacturers of those articles probably have sufficient stocks of raw materials and manufactured products to tide them over until early Fall when demand should gain as retailers stock for the holiday trade. Some gain in inquiries by soapers was noted but actual trade was limited.

Department of Commerce releases of total exports in 1948 were in hand last week. Combined, the out-movement amounted apparently to 2,374,154 pounds divided as follows:—Peppermint, 229,347 pounds; spearmint, 77,700 pounds; citrous oils, 201,262 pounds; all other oils, 1,865,845 pounds. The export of peppermint, particularly to Great Britain whch was the largest importer in prewar times, left room for much improvement.

## Market Trends

**Prices Advanced**

Civet, 50c. per oz.
Ginger oil, 75c. per lb.
Snakeroot oil, Canadian, 25c. per lb.

**Prices Reduced**

Bergamot oil, Italian, 5c. per lb.
Cassia oil, USP, 5c. per lb.
Citronellal, 25c. per lb.
Eucalyptol, 10c. per lb.
Lemon oil, Messina, 25c. per lb.
Linalyl acetate, ex petitgrain oil, 85c. per lb.
Orange oil, Brazilian, 5c. per lb.
Floridian, 5c. per lb.
Peppermint oil, redistilled, 10c. per lb.
Spearmint oil, 30c. per lb.
Vetiver oil, Java, 60c. per lb.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 103.4 | 105.1 | 102.5 | 138.2 |

(For Current Prices see Page 9)

## Essential Oils

**Angelica**—The dull market was nevertheless firm throughout the past week and regardless of the exceptionally wide range in quotations, sellers maintained individual views with substantial strength. Interest in the material was strictly jobbing.

**Anise**—Though still somewhat unsettled, the market lacked further movement in favor of buyers and a limited demand found prices generally steady at 75c. to $1 per pound, as to seller .

**Bergamot**—This item appeared to be working slowly toward a price position more favorable for the not large number of manufacturing consumers that have entered the market for sometime past. At the close of the period, the market was $3.95 to $4.60 per pound and the range covered differences in sellers' opinions.

**Birchtar**—Former more or less steady suppliers of this article in moderate sized quantities reported lack of stocks last week. So far as stocks were concerned, the market was virtually a nominal affair in practically all directions.

**Bois de Rose**—Though the market still tended to sag in price, no definite movement in favor of consumers took place last week. The situation was due to competition that recently had been stimulated by a not too active consuming request.

**Camphor**—Stocks were still plentiful but it appeared that a fair degree of balance between primary market and spot quotations has been struck and that from now on a steadier market might reasonably be expected. Also, the flow of demand was likely to be steadier and for quantities closer to normal consumer needs.

**Cananga**—The price range on native oil was narrower, the market prevailing at $2 to $2.55 per pound as to seller and quantity. Rectified oil was $2.90 to $3.65 being steady.

**Cardamom**—The advance has not been pushed any further but the market was definitely one of strong undertone and intention so far as suppliers with goods actually in hand were concerned. Also consuming demand on the part of meat packers has teamed up with the strong position of raw material to maintain the situation prevailing on spot for a number of weeks past.

**Cassia**—The conservative activity in this article on spot and at the origin has tended to soften prices in recent weeks and during the period just ended prices were openly lower at $1.80 to $2.50 per pound for USP material, ruling as to seller and quantity. Demand remained generally on the light side.

**Cedarleaf**—Sufficient business to confirm the market as recently quoted was done during the past week and on the whole the routine character of consumer interest remained dominant on spot.

**Clove**—A late report concerning stocks of clove spice at the origins indicates that about 1,000 tons remain in Madagascar to care for demand between now and new crop in October-December. In Zanzibar, 10,113,407 pounds remain unsold from which 3,500,000 must be deducted as held by the Clove Growers' Association. Fully 15 percent of export needs must be purchased from the association. This makes the Zanzibar stock apparently 6,613,407 pounds. Such is the situation facing those who produce clove oil in whatever country. Spice seem likely to remain high in price, which suggests lack of a falling market so far as oil is concerned.

**Coriander**—The situation was unsettled and uncertain with some dealers talking a strong market at $35 per pound while others quoted $31 and suggested that $30 might be done on attractive business. Lack of sustained demand was a factor.

**Dillweed**—Most dealers look for a more interesting market this year if present indications materialize into fact. Deliveries from oil produced in Texas during the Winter should appear on the consuming markets this month and may in some measure account for the recent softening of spot prices without apparent reason. Contract writing should soon be underway.

**Eucalyptus**—Prices seemed steadier. They have been reduced substantially over the past six months and some dealers expect now that a steadier price position may be in development. Demand during the past week remained mainly on a hand-to-mouth basis.

**Fennel**—Though the market was clearly more competitive than it had been, open quotations were without further change last week and the market was generally $2.75 to $3 per pound.

**Geranium**—It seemed likely that the advancing trend in replacement costs has ended for the time being at least. On spot, quotations had a steadier aspect, though here and there the tendency still further to raise asking prices could be found. Demand has not continued to expand but it was better than fair last week.

**Ginger**—The market was higher at $11 to $13.50 per pound, depending on seller. This reflected the recent and further advance in quotations on Jamaica root and the strongly upward tendency of African wherever sold or factored.

**Grapefruit**—Jobbing demand was fair most of the time and the total of trading was a contributor to the more stable price position that has developed during the past several weeks.

**Juniper**—Raw material was very cheap and usually called weak because of the presence of distressed parcels on the spot. However, those who produce oil have solidified quotations in some degree and the market has been maintained well of late.

**Lemon**—Italian oil was reduced still further last week and reached a price position competitive with the quotations prevailing on domestic oil. The produce of Sicily was quoted $2.75 per pound, minimum, exactly the price position of California material which also ranged to $3 as to seller. Some improvement in demand for all citrous oil was noted.

**Lemongrass**—The market seemed to be holding up fairly well on the basis of $1.60

For Late Market Developments, See Page 4

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to $1.90 per pound according to oil offered and who did the offering.

**Mandarin**—Prices have "teetered" no further. Instead, the market has been steady at $8.75 to $9.75 for the past fortnight or three weeks and with demand not too pressing, the situation could not be called better than steadier.

**Orange**—Competition continued keen and most price positions were favorable for buyers. Brazilian oil was down to 80c. to $1.25 per pound as to seller; Florida oil, shaded to 55c. to $1. California oil, steady at 70c. to $1.75—certainly a wide enough range. Demand was said to have undergone some improvement.

**Patchouli**—Some dealers took a stronger position on the market and refused to quote under $7.25 per pound, which became the high end of the price range. The lower end remained at $6 but fewer dealers seemed to be offering thereat at the end of last week. It seemed that the replacement position had strengthened.

**Peppermint**—Redistilled oil was lower at $6.40 per pound as a minimum open quotation. Natural oil was still quoted mainly at $6 per pound but indications were that it might be shaded since most dealers appeared convinced that the 1949 crop would bring less money to everyone. The export situation, however, might improve and change the at present apparent trend.

The total exported in 1948 was 229,347 pounds and the principal takers were as follows:—Canada, 55,875 pounds; United Kingdom, 28,500 pounds; Netherlands, 40,178 pounds; and France, 18,488 pounds.

For comparison, the prewar exports of 1938 are given as follows:—Total exported, 371,866 pounds; Canada, 28,209 pounds; United Kingdom, 197,823 pounds; Netherlands, 12,002 pounds; and France, 27,243 pounds. Should British import restrictions end, the outlook for 1949 peppermint might change.

**Pimento**—Only the range changed; it became narrower. Quotations on berry oil became $4.25 to $6 per pound; leaf oil $1.50 to $1.75. Demand remained routine but about normal.

**Sage**—A moderately more active spot market was noted last week but the gain in trade was insufficient so to strengthen the market that sellers could advance quotations. Prices were much steadier, however, and were in line with replacement cost.

**Sandalwood**—Demand was exactly what it had been for some time past—strictly jobbing and for immediate requirements from a market well stocked with oil and able to care for any substantial improvement in buyers' requirements.

**Sassafras**—Natural oil of domestic origin was dull as to demand but reasonably steady in the matter of price. Artificial oil made from Japanese raw material was easy to weak but lacking change in open quotations on the local market. Stocks were ample.

**Snakeroot**—The fag end of stocks pro-


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duced from the root crop of 1948 was being slowly merchandised on spot last week but the market was found to have strengthened and at the end of the period under review quotations were higher at $19 to $19.25 per pound according to seller. Though the market was higher, the range was narrower following the shifting of quotations.

**Spearment** — Competition was keener and yet most dealers felt that the bottom of the decline must be in sight when the market reached $3.95 to $4.75 per pound, quoted according to seller under dull request from manufacturing consumers. The total exported in 1948 was 77,700 pounds and countries taking the larger quantities were:—Canada, 25,695 pounds; United Kingdom, 15,110 pounds; France, 12,539 pounds.

**Sweet Birch**—Business on a whole was said to have compared not too well with of a year ago. Most consumers, especially at the moment, were aloof from the market because of sufficient inventories. Also, the prospect for new crop caught their attention and some felt that 1949 oil might be bought cheaper.

**Thyme**—The market was generally disposed in buyers' favor and most sellers did not appear likely to reject reasonable bids on the part of manufacturing consumers when quantities were sufficient in size to influence the approach of sellers to buyers. Local quoations lacked change last week but they were hardly firm.

**Vetiver**—Java oil was lower at $10.40 per pound in one quarter but others with oil actually in hand wanted upwards of $11 for prompt delivery material. No change was reported in prices quoted on either Bourbon or Haitian materials.

**Wormseed** — Some reported a more sustained interest in jobbing quantities, the same arising from more activity in the sale of medicines intended for the worming of a stock.

## Aromatic Chemicals

**Amyl Cinnamicaldehyde**—Prices on the spot ranged $2.10 to $2.55 per pound according to seller and seemed steady at both ends of the range. Demand was level with that of the past month.

**Anisic Aldehyde**—Demand was steady. It failed of expansion but held to levels prevailing during the past fortnight or so and was more than sufficient to give a firm undertone to prices.

**Benzyl Compounds** — Lacking open change in prices, the list still appeared subject to considerable competition that had the effect of easing the surface of the market if not extending to its foundations and producing quotations generally lower.

**Citronellal** — Quotations were lower at $2.50 to $7.75 per pound—though how any seller could obtain the outside of the range stumped most suppliers last week. Demand was met promptly in a market where competition was an active feature.

**Eucalyptol**—Production costs have moderated and even decreased because of the weaker situation prevalent in raw material for some time past. Quotations on the derived product were down to the basis of $1.75 per pound with the range touching $2.05.

**Linalyl Acetate**—The product manufactured from petitgrain oil was lower at $4.25 per pound as its minimum price and ranging to $6 per pound according to seller and product. The item made from bois de rose oil held at $4.35 per pound minimum.

## N.E. Chemical Club Elects Bate President

Arthur C. Bate, American Cyanamid & Chemical Corporation, was elected president of the Chemical Club of New England at its recent annual meeting in Boston. Other officers chosen were:—Vice-president, Thornton C. Jesdale, Monsanto Chemical Company; treasurer, David J. O'Connell, Howe & French, Inc., and secretary, H. C. Cookingham, D. H. Litter Company.

Named to the executive board for a three year term was Raymond B. Anthony, Solvay Sales Division, Allied Chemical & Dye Corporation, and for a one year term, Homer Simmons, Hercules Powder Company.

At the same meeting the new president appointed the following committee chairmen:—Membership, M. E. Nourse, Howe & French, Inc.; entertainment and reception, Mr. Jesdale; publicity, Morton S. Johnson, Solvay Sales Division; nominating, Warren E. Johnson, U. S. Industrial Chemicals, Inc., and auditing, Philip E. Mason, Watson-Park Company.

## Schimmel Assigns Elliott

Schimmel & Co., perfume and flavor raw materials supplier, New York, has appointed Ralph J. Elliott its representative in the Detroit area. Mr. Elliott recently completed a familiarization course on the products and services provided by the Schimmel organization.


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This is a pure Steam Distilled Wood Turpentine, containing no impurities or adulterants of any kind. It is clear and colorless and has an unusually mild "flat" odor. CROSBY Turpentine conforms to federal and ASTM specifications for Steam Distilled Wood Turpentine.

| | SPECIFICATIONS Max. | Min. | Typical Analysis |
|---|---|---|---|
| Specific Gravity at 15.5/15.5°C | 0.875 | 0.860 | .861 |
| Refractive Index at 20 C | 1.478 | 1.465 | 1.466 |
| Unpolymerized Residue (38N-$H_2SO_4$) | 2.0% | ..... | 0.8% |
| Distillation: | | | |
| Initial Boiling Point | 160°C | 150°C | 154°C |
| Distilling below 170°C | ..... | 90% | 95% |

Properties

Flash Point: Approximately 98°F (Tag open cup).

Optical Rotation: Above + 25°.

Solvent Power: (Kauri Butanol): Approximately 57 ml.
(Aniline Point): Approximately 18°C.
(Mixed Aniline Point): Approximately 44°C.

Commercial Information

Code Word: TURPS.

Containers:

Tank Cars: 6000 and 8000 gallons.

Compartment Cars: 3 x 2000 gallons.

Drums: 55-gallon galvanized drums, net weight, 396 lbs. Gross weight approximately 450 lbs.).

Cans and Bottles: Full line of lithographed tin cans and applied label bottles, packed in corrugated cartons.

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# Protective Coatings Materials

Lower prices on chrome colors and American vermilion last week, an offshoot of the recent weakening in the pig lead market, forced the coatings materials index down another 3.0 points to 215.3. Other developments included reductions on domestic and imported casein, methyl abietate, molybdate orange, shellac and stearates.

Producers of lead-derived dry colors trimmed their schedules again last week in line with recent metallic lead declines. Reduced one cent were chrome orange, chrome yellow and American vermilion. Molybdate orange and CP grades of chrome green were dropped one-half cent per pound. Reduced greens were unaffected by the move.

Meanwhile, pig lead itself steadied, as did lead oxides and white leads. Producers were still uncertain whether the week's firmness meant stabilization or just a temporary lull. However, in some quarters it was believed that metallic lead would show increasing price hardening during the next few weeks.

Copper and zinc metals, however, were weaker on Thursday, falling 1¾ cents and one cent per pound, respectively. Makers of derived pigments took no action as of press time, but it was expected that reductions would be forthcoming soon, probably this week.

One line of alkyd resins fell off one-half cent. Glycerol esters of both polymerized and hydrogenated rosin were also lower, the former sinking three-quarter cent to 2 cents and the latter dropping one cent per pound. Regular and hygrogenated methyl abietate declined one-half cent. Modified pentaerythritol esters were down one-half cent to three-quarter cent.

Despite a quiet tone in the Calcutta market, New York orange lac quotations were off. Reduced one cent were lemon No. 1, lemon No. 2 and TN lac. Bleached grades and superfine shellac were steady.

Imported and domestic casein slipped one-quarter cent and one-half cent per pound, respectively. With the exception of aluminum stearate, which received a one-cent reduction on the less-carlot price only, flatteners of this type were lowered another 2 cents across-the-board.

## Market Trends

**Prices Advanced**

Turpentine, gum, Savannah, ½c. per gal.

**Prices Reduced**

Barium stearate, 2c. per lb.
Calcium stearate, 2c. per lb.
Casein, dom., acid-precip., ½c. per lb.
imp., acid-precip., ¼c. per lb.
Green, chrome, CP, ½c. per lb.
Iron stearate, 2c. per lb.
Lead stearate, 2c. per lb.
Magnesium stearate, 2c. per lb.
Manganese stearate, 2c. per lb.
Methyl abietate, ½c. per lb.
Orange, chrome, CP, 1c. per lb.
Molybdate, ½c. per lb.
Red, vermilion, American, 1c. per lb.
Rosin, gum, New York, N, 5c. per 100 lbs.
WG, 10c. per 100 lbs.
Savannah, B, D, E, F, G, H, I, K, 10c. per 100 lbs.
M, WG, 9c. per 100 lbs.
N, 7c. per 100 lbs.
WW, X, 1c. per 100 lbs
Shellac, lemon, No. 1, 1c. per lb.
No. 2, 1c. per lb.
TN, 1c. per lb.
Yellow, chrome, CP, 1c. per lb.
Zinc stearate, tech., 2c. per lb.

**Comparative Price Indexes**

(100 August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 215.9 | 218.9 | 229.3 | 190.7 |

(For Current Prices see Page 9)

## Prime Pigments

**Cadmium Colors**—There was no substantial improvement in demand during the past week. Stocks were good, despite the continued shortage of cadmium metal. Prices were firm throughout the market. Orange lithopone was quoted at $1.10; red lithopones ranged from $1.15 to $1.55, depending on the grade; CP yellow was at $2.65, and yellow lithopone was named at 95c. per pound.

**Chrome Colors**—Producers pared down their price schedules again last week in line with recent declines in pig lead. Reductions of 1c. per pound were effected on CP orange and CP yellow, while decreases of ½c. were applied to CP greens. A previous series of price cuts in similar amounts was made three weeks ago. Thus, the overall drop in chromes aggregate 2c. on orange and yellow and 1c. on CP greens. Reduced greens have not been moved at all. Meanwhile, the supply position continued abundant. Buying was still sluggish during the week, as consumers were still uncertain whether the market would stabilize at current levels. Following are market quotations:—CP greens, 37c. to 47¾c.; reduced greens, 13c. to 29¼c.; CP orange, 32c., and CP yellow, 32c. per pound.

**Copper Oxide**—Despite the 1¾c. drop in metallic copper late last week, there was no comparable action taken on this pigment material by press time. Reductions, however, were believed to be imminent, with announcements expected sometime this week.

**Lead Pigments**—The market was firmer last week, both on metallic lead and derived pigments. Whether this week of steadiness, the first such period of unchanged quotations in five weeks, meant stabilization or just a temporary lull was still a question. Many pig lead sellers believe that the metal will show increasing price hardening at present levels. It is their view that buyers, who have been operating on inventories during the past two months, will be compelled to come back into the market by the end of this month. They base this on their estimate that inventories will hit bed-rock by April 30. In addition, they point out that pig lead bookings for May are of reasonably good tonnage. Furthermore, they say that any additional decline in the metal will mean a drastic curtailment in production, which in turn will throw the market into a position of critically short supply later in the year.

Meanwhile, a survey of the pigment situation reveals the following aggregate price reductions since March 8:—Lead sulphate, 4½c.; red lead, 6½c.; basic carbonate white lead, 5 1/10c.; basic silicate white lead, 3¼c. to 6 1/10c.; litharge, 6½c., and mineral orange, 6½c. per pound. The range on basic silicate white lead represents decreases of individual producers on branded-name materials.

Demand for pigments last week was still slow, with consumers evidently still uncertain whether or not prices had hit rock-bottom. Suppliers reported ample stocks.

**Orange, Molybdate**—Reflecting recent metallic lead reductions, producers last week brought this material down another ½c. per pound. The new quotation is 44c. per pound, which price is 1c. below levels prevailing a month ago. Buying was still quiet. The supply position continued excellent.

**Red, Vermilion**—The American grade was reduced another 1c. per pound last week in line with recent weakening in pig lead. The material is currently quoted at 32c. per pound, which level is 2c. per pound below that of four weeks ago. Demand was still sluggish. Stocks were reported ample.

**Zinc Pigments**—Although the metal went down another 1c. per pound on Thursday, prices on all zinc-derived pigments were still unchanged at press time. Nevertheless, schedules were believed due for another cut, probably this week. The extent of the impending reductions

## Paint, Varnish, Lacquer Sales: February

The value of sales of paint, varnish, lacquer and fillers in February, 1949, as reported by 680 establishments to the Bureau of Census, was $70,292,155. These establishments accounted for approximately 90 percent of the total value of the output of the industry as reported in the Census of Manufacturers for 1939. The data include sales of water-thinned paints and sales of nitrocellulose lacquers, which formerly were published separately but have since been discontinued. Details of sales reported with comparative data for 1948 follow:—

| | Total sales reported by 680 establishments | Classified sales reported by 580 establishments: Trade-sales of paint, varnish, and lacquer | Industrial sales: Total | Industrial sales: Paint and varnish | Industrial sales: Lacquer | Unclassified sales reported by 100 establishments |
|---|---|---|---|---|---|---|
| 1949—February | $70,292,155 | $37,936,485 | $26,133,454 | $19,728,511 | $6,404,943 | $6,222,216 |
| Total, *2 months | 147,252,799 | 79,839,139 | 54,083,548 | 41,112,332 | 12,971,216 | 13,330,112 |
| 1948—February | 78,932,540 | 41,096,903 | 30,158,954 | 22,653,202 | 7,505,752 | 7,676,683 |
| Total, 2 months | 166,947,265 | 88,131,564 | 61,902,401 | 46,295,216 | 15,607,185 | 16,913,300 |

*Revised.

For Late Market Developments, See Page 4

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From pale amber to dark brown

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Properties and analysis include:

| | |
|---|---|
| Specific Gravity 15/15°C | 0.85-0.88 |
| Distillation 90% | 40-68°C |

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White Plains, New York

could not be ascertained. However, it is interesting to note that when metallic zinc fell 1c. during the previous week, all lead-free oxides and the 5-percent leaded grade were lowered ½c.; the 35-percent and 50-percent leaded grades were dropped ⅜c. and 1c., respectively, while lithopones, zinc sulphides and zinc yellow were unchanged.

## Synthetic Resins

**Alkyd Resins**—Across-the-board reductions of ½c. per pound were affected by one producer of pure alkyds last week. Other lines were maintained at previous price levels. Demand continued at a sluggish pace. Supplies were reported ample for all types of alkyds.

**Chlorinated Rubber** — One maker, already a factor in cyclocized rubber dispersions, announced the introduction of a new line of natural rubber dispersions. Meanwhile, chlorinated rubber continued firm at 42c. to 43c. per pound.

**Ester Gums** — Glycerol esters of both polymerized and hydrogenated rosin were lower in last week's market, the former declining ¾c. to 2c. per pound and the latter sinking 1c. across-the-board. All grades of ester gums continued in plentiful supply. Calls from consuming trades remained slight.

**Methyl Abietate** — Both regular and hydrogenated grades were reduced ½c. per pound last week. The former material is currently quoted at 17c. to 17½c. per pound, while the latter type is named at 17¼c. to 17¾c.

**Pentaerythritol Resins**—One maker of modified pentaerythritol esters announced reductions of ½c. to ¾c. per pound on three grades during the past week. Other grades held firm.

**Polystyrene**—One producer last week inaugurated a new 50,000-pound price, which, in effect, lowered the market 1c. per pound. The previous price for plain colors, set for 30,000-pound quantities, was 33c. The new price, set for 50-000-pound orders, is 32c. Following are current market quotations:—Plain colors, 50,000 pounds, 32c.; plain colors, 30,000 pounds, 33c.; plain colors, smaller lots, 34c. to 42c.; special colors, 50,000 pounds, 32c.; special colors, 30,000 pounds, 33c.; special colors, smaller lots, 35c. to 50c.; water-clear, 50,000 pounds, 26c.; water-clear, 30,000 pounds, 27c., and water-clear, smaller lots, 28c. to 35c. per pound.

## Natural Resins

The market in New York last week was generally steady. There was no weakness anywhere. In fact, some items, while officially remaining firm, showed strong undertones. However, business continued dull in the main. The situation facing most dealers was, perhaps, best exemplified in the case of Singapore No. 1. Although the gum was believed to be worth about 34c. per pound, official quotations ranged from 30c. to 32c. Dealers were reluctant to ask a higher price for fear of discouraging buying. On the other hand, they were also unable to bring over the material at current price levels because of mounting costs at the source. Thus, No. 1 continued short here. Dealers were keeping inventories to a minimum, and sales were being made on a cost-at-the-source basis. Arrivals last week totaled 134 bags of copal gum from Singapore.

**Shellac**—Although Calcutta was quiet, declines were noted in the New York market for most grades or orange lac. Business was off. Reduced 1c. per pound were lemon No. 1, lemon No. 2 and TN lac.

Bleached grades were unchanged, as was superfine shellac. Lemon No. 1 was quoted at 70c. to 71c. Lemon No. 2 was named at 68c. to 69c. Superfine brought 65c. to 66c. TN lac was listed at 61c. to 62c. per pound. Arrivals during the past week totaled 200 bags of buttonlac, 500 bags of kireelac, 2,600 bags of seedlac

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IN SOLUTIONS

and 1,850 bags of shellac from Calcutta, Massawa and Rotterdam.

## Miscellaneous Materials

**Asbestos**—With the Canadian strike continuing into its tenth week, buyers here were hard put to locate material.

**Casein**—Imported and domestic were off again last week, sinking ¼c. and ½c. per pound, respectively. As a result, the former was quoted at 20½c. to 20¾c., while the latter brought 21c. to 22c. Demand remained paralyzed. CCC purchases for the week ending April 8 totaled 10,233,830 pounds of spray process skimmed milk powder and 4,143,475 pounds of roller process, the latter purchase representing all roller offerings. Spray offerings were 11,005,880 pounds.

**Stearates**—Schedules were lowered another 2c. last week on all but aluminum flatteners. In the case of aluminum stearate, the less-carload price was dropped 1c., making an overall 5c. decrease on this material during the past two weeks. Following are current market prices:—Aluminum, dibasic, 30c. to 31c.; aluminum, monobasic, 30c. to 31c.; aluminum, tribasic, 30c. to 31c.; barium, 34c. to 36c.; calcium, 32c. to 34c.; iron, 34c. to 36c.; lead, 36c. to 38c.; magnesium, 35c. to 37c.; manganese, 35c. to 37c., and zinc, technical, 34c. to 36c. per pound.

## Naval Stores

The record of the gum naval stores markets over the week ended April 14 were as follows:—

**Gum Rosin**

| | Price per 100 lbs. | | | | | |
|---|---|---|---|---|---|---|
| | Savannah Exchange (Low of range) | | | | | New York c.l., l.c.l., f.o.b. ex N. Y. whse. |
| | Mon. | Tues. | Wed. | Thurs. | Fri.* | Thursday |
| B | $5.70 | $5.60 | $5.60 | $5.60 | ... | $6.60 $7.35 |
| D | 5.70 | 5.60 | 5.60 | 5.60 | ... | 6.60 7.35 |
| E | 5.70 | 5.60 | 5.60 | 5.60 | ... | 6.60 7.35 |
| F | 5.70 | 5.60 | 5.60 | 5.60 | ... | 6.60 7.35 |
| G | 5.70 | 5.60 | 5.60 | 5.60 | ... | 6.60 7.35 |
| H | 5.70 | 5.60 | 5.60 | 5.60 | ... | 6.60 7.35 |
| I | 5.70 | 5.60 | 5.60 | 5.60 | ... | 6.60 7.35 |
| K | 5.70 | 5.60 | 5.60 | 5.60 | ... | 6.60 7.35 |
| M | 5.70 | 5.60 | 5.60 | 5.61 | ... | 6.60 7.35 |
| N | 5.72 | 5.65 | 5.65 | 5.65 | ... | 6.65 7.40 |
| WG | 5.72 | 5.65 | 5.71 | 5.66 | ... | 6.70 7.45 |
| WW | 5.84 | 5.84 | 5.85 | 5.85 | ... | 6.90 7.65 |
| X | 5.84 | 5.84 | 5.85 | 5.85 | ... | 6.90 7.65 |
| | Drums | | | | | |
| Sales | 100 | 300 | 100 | 400 | ... | |
| Receipts | 500 | 367 | 549 | 278 | ... | |
| Shipments | 73 | 1 | 1,015 | | ... | |
| Stocks | 20,779 | 21,145 | 20,679 | 20,757 | ... | |

**Gum Turpentine**

| | Savannah Exchange—Bulk | | | | | New York (ret. dlms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) |
|---|---|---|---|---|---|---|
| | Mon. | Tues. | Wed. | Thurs. | Fri.* | Thursday |
| Per gal. | .40¼ | .40¼ | .40½ | .40½ | .. | .48 .59 |
| Sales, bbls. | 160 | ... | 20 | ... | ... | |
| Receipts, bbls. | 100 | 26 | 74 | 12 | ... | |
| Shipments, bbls. | 745 | 323 | 1,223 | 1,275 | ... | |
| Stocks, bbls. | 13,939 | 13,642 | 14,999 | 13,810 | ... | |

* No market.

## N.E. Paint Club Plans Annual Ladies Night

The New England Paint, Varnish and Lacquer Association will hold its annual ladies night and dinner dance at the Statler hotel, Boston, on April 21. A program of entertainment has been arranged and tables will be provided for those who prefer bridge to dancing.

### Horn, Jeffreys Engages Plambeck

Horn, Jeffreys & Co., Burbank, Calif., has appointed Albert O. Plambeck technical director. Mr. Plambeck was formerly manager of the lacquer division and technical service of the Sherwin-Williams Company of Canada, and has since been associated with the protective coatings industry in New York.

## *Trade Briefs*

**Thomas C. Mee,** president and treasurer of the Thomas C. Mee Company, Pawtucket, R. I., was recently tendered a testimonial banquet by the Georgetown University Club of Rhode Island.

**Devoe & Raynolds** Company has appointed Gordon Riley sales manager of its brush division, to succeed Paul Cole, who has been named district manager of trade sales in the western district.

**Dr. J. S. Long,** head of chemical research for the Devoe & Raynolds Company, spoke on protective coating and outdoor painting before the Rochester Society of Architects at a recent meeting.

**Sherwin-Williams Company** has entered into an agreement with Switzer Brothers, Cleveland, for the manufacturing and selling of "Day-Glo" daylight fluorescent coatings materials, which are reported to be a revolutionary innovation in the display and advertising fields. The screen process colors and the use of them are a patented development of Switzer Brothers.

## New York Paint Club Nominates New Officers

The nominating committee of the New York Paint, Varnish & Lacquer Association has proposed Frank P. Connolly, Valentine & Co., for president for the coming year. Other candidates offered by the group are:—for vice-president, Harry C. Soffer, Cheesman-Elliott Company; for secretary, C. Ernest Seghers, jr., Pittsburgh Plate Glass Company, and for treasurer, Hendrick E. Hendrickson, S. Winterbourne & Co. For members of the executive committee, to serve for two years, the nominating group has proposed Lester Arnstein, Arnesto Paint Company; L. G. Cannella, Continental Can Company, and J. P. Dunphy, New Jersey Zinc Company.

### Nat'l Gypsum Moves Stenberg

The National Gypsum Company, Buffalo, N. Y., has appointed David G. Stenberg head of its Chicago district sales office. Mr. Stenberg, who has been associated with the company for the past ten years, was formerly assigned to its Buffalo sales office.

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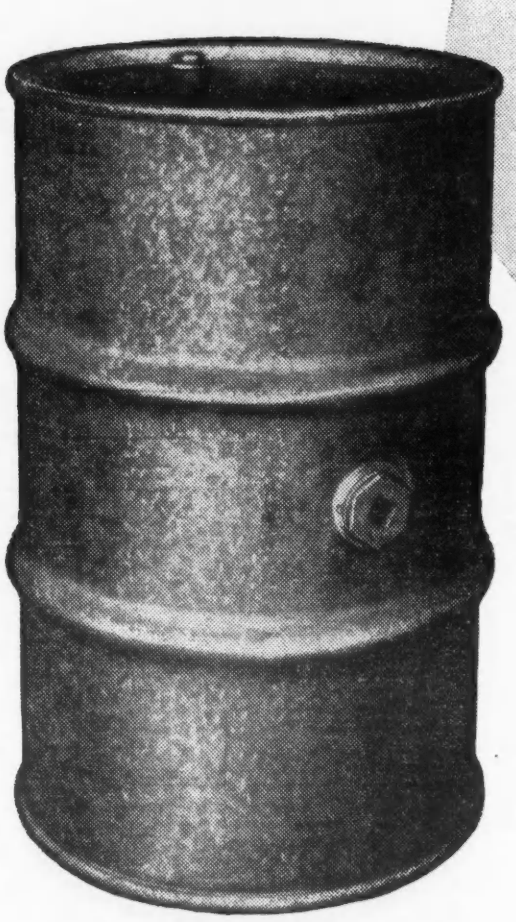
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## Current Prices

—Continued from page 34

| | | | |
|---|---|---|---|
| Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul | lb. | .32 | — |
| Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below. | | | |
| Benzidin, bbls., dlvd | lb. | 1.60 | 1.70 |
| Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies | lb. | 2.65 | — |
| Lithopone, all shades, bbls., frt. alld. E. of Rockies | lb. | .95 | — |
| Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher. | | | |
| Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts | lb. | .32 | — |
| Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago. | | | |
| Hansa, bbls., same basis as chrome | lb. | 1.60 | 1.70 |
| Primrose, bbls., same basis | lb. | 1.90 | 2.10 |
| Iron oxide natural, bgs., c.l., works | lb. | .0141 | .0250 |
| l.c.l., works | lb. | .0166 | .0275 |
| French type, bgs., c.l. | lb. | .04½ | — |
| l.c.l. | lb. | .04¾ | — |
| Peruvian type, bgs., c.l. | lb. | .0185 | .0210 |
| synth. bgs., c.l. works | lb. | .09 | — |
| l.c.l. works | lb. | .09¼ | — |
| Mercury oxide, bbls., 1,000 lbs | lb. | 1.93 | — |
| smaller lots | lb. | 1.95 | — |
| Ocher American golden, bgs., works | lb. | .01¼ | .02¾ |
| Zinc, bbls. same basis as chrome | lb. | .24½ | — |
| Yellow dock root, bls | lb. | .23 | .25 |
| Yellow xanthorrhiza (see Xanthorrhiza) | | | |
| Yerba santa leaves, bls | lb. | .30 | .35 |
| Yohimbine hydrochloride vls | oz. | 3.25 | 4.00 |

### Z

| | | | |
|---|---|---|---|
| Zein, bgs., 36,000 lbs., works | lb. | .30 | — |
| 1,000 lbs. to 36,000 lbs., works | lb. | .32 | — |
| smaller lots, works | lb. | .35 | — |
| Zinc acetate, tech., bbls., dms | lb. | 47 | — |
| NF dms | lb. | 42 | — |
| Arsenite, bgs., c.l., frt. alld. E. of Rockies | lb. | No stocks. | |
| l.c.l., same basis | lb. | No stocks. | |
| Borate, bgs., c.l., ship't. pt., frt. alld., E | lb. | .13½ | .17 |
| frt. alld. Pac. Coast | lb. | .16½ | .19 |
| l.c.l., ship't. pt., frt. alld. E | lb. | .14 | .17½ |
| frt. alld. Pac. Coast | lb. | .18¼ | .20¾ |
| Carbonate, tech., rubber makers, bbls., works | lb. | .10¾ | — |
| precip., powd., dms | lb. | .26 | — |
| Purified precip., dms | lb. | .37 | — |
| Zinc chloride, tech., fused, dms., c.l., works | 100 lbs. | 8.00 | — |
| l.c.l., works | 100 lbs. | 8.40 | — |
| gran., bbls., c.l., works | 100 lbs. | 8.75 | — |
| l.c.l., works | 100 lbs. | 9.15 | — |
| solution, 50%, dms., c.l., works | 100 lbs. | 4.55 | — |
| l.c.l., works | 100 lbs. | 5.15 | — |
| tanks, works | 100 lbs. | 3.90 | — |
| NF, gran., dms | lb. | .42 | — |
| Chromate (see Yellow, zinc). | | | |
| Cyanide, kgs., works | lb. | .41¼ | — |
| Diethyldithiocarbamate, dms., wks. | lb. | 1.00 | — |
| Dust, bbls., c.l., works | lb. | .17¾ | — |
| l.c.l., works | lb. | .18¾ | — |
| Fluoride, bbls., works | lb. | .40 | — |
| Hydrosulphite, dms., c.l., frt. alld. | lb. | .18¾ | — |
| l.c.l. | lb. | .19¼ | — |
| Iodide, NF, jars | lb. | 4.85 | — |
| Laurate, bbls | lb. | .45 | .46 |
| Linoleate, solid, 9½%, bbls | lb. | .51¾ | — |
| Metal slabs, E. St. Louis | lb. | .14 | — |
| Naphthenate, liquid, 8% Zn., frt. alld. | lb. | .21½ | .22 |
| 10% Zn, dms., frt. alld | lb. | .26¼ | .26¾ |
| Oleate, bbls | lb. | .42¼ | — |
| Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld | lb. | .14¼ | — |
| l.c.l., works | lb. | .14½ | — |
| American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld | lb. | .14¼ | — |
| l.c.l., works | lb. | .14½ | — |
| leaded, 5%, bgs., c.l., ship't point, frt. alld | lb. | .14¼ | — |
| l.c.l., works | lb. | .14½ | — |
| leaded, 35%, bgs., c.l., ship't point, frt. alld | lb. | .14¾ | — |
| l.c.l., works | lb. | .15 | — |
| 50%, bgs., c.l., ship't point, frt. alld | lb. | .15 | — |
| l.c.l., works | lb. | .15¼ | — |
| French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld | lb. | .16½ | — |
| l.c.l., works | lb. | .16¾ | — |
| green seal, bgs., c.l., ship't point, frt. alld | lb. | .16 | — |
| l.c.l., works | lb. | .16¼ | — |


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| | | |
|---|---|---|
| Zinc oxide, pigment, dom., French process, red seal, bgs., c.l., ship't point, frt. alld | lb. | .15½- — |
| l.c.l., works | lb. | .15¾- — |
| white seal, bgs., c.l., ship't point, frt. alld. | lb. | .16½- — |
| l.c.l., works | lb. | .16¾- — |
| USP, ctns., c.l., ship't point, frt. alld | lb. | .17½- — |
| l.c.l., same basis | lb. | .17¾- — |
| Zinc oxide Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs. | | |
| Phenolsulphonate, NF, gran., bbls., dms | lb. | .28 - .29 |
| powd., bbls. | lb. | .31 - .32 |
| Resinate, fused, 1% Zn., dms., frt. alld | lb. | .20 - — |
| precip., dms., frt. alld | lb. | .23 - — |
| Silicofluoride, bbls., works | lb. | .10 - .10½ |
| Stearate, tech., USP, ctns., 2,000 lbs. | lb. | .34 - — |
| smaller lots | lb. | .35 - .36 |
| Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld | 100 lbs. | 5.25 - 6.00 |
| l.c.l., same basis | 100 lbs. | 5.65 - 6.40 |
| flake, 25½%, Zn, bgs., c.l., works. | 100 lbs. | 6.25 - — |
| l.c.l., works | 100 lbs. | 6.45 - — |
| powd., 36% Zn, bgs., c.l., dlvd., same basis | 100 lbs. | 8.50 - — |
| l.c.l., same basis | 100 lbs. | 8.90 - — |
| Zinc sulphate in bbls. 40c. higher | | |
| USP, gran., dms | lb. | .22 - .22½ |
| Sulphide, pure, bgs., c.l., dlvd. | lb. | .13 - — |
| l.c.l., works | lb. | .13¼- — |
| Barium pigment, bgs., c.l., dlvd. | lb. | .07¾- — |
| l.c.l., works | lb. | .08 - — |
| Zinc sulphide, calcium, pigment, bgs., c.l., dlvd. | lb. | .07¾- — |
| l.c.l., works | lb. | .08 - — |
| Luminescent pigment, frt. alld. | lb. | 1.00 - 3.00 |
| Magnesium pigment, bgs., c.l., dlvd. | lb. | .07¾- — |
| l.c.l., dlvd. | lb. | .08 - — |
| Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs | | |
| Yellow (see Yellow, zinc) | | |
| Zinc-ammonium chloride, bgs., c.l., works | 100 lbs. | 7.50 - — |
| l.c.l., bgs., works | 100 lbs. | 7.90 - — |
| Zinc-cadmium sulphide, fluorescent, cns., frt. alld. | lb. | 2.00 2.80 |
| Zinc-calcium resinate, dms., c.l., works | lb. | .1180- .1360 |
| l.c.l., same basis | lb. | .1220- .14 |
| Zinc-formaldehyde sulphoxalate, basic, dms., works | lb. | .23 - .23½ |
| normal, dms., works | lb. | .43 - .45 |
| Zircon (see Zirconium silicate). | | |
| Zirconium acetate, solution, bbls., works | lb. | .25½- — |
| Carbonate, basic, cake, bbls., works | lb. | .30½- — |
| Hydride, cns., works | lb. | 7.00 - — |
| Nitrate, dms., works | lb. | 1.75 - — |
| Oxide, 98½-99%, white, grd., bbls., or bgs., works | lb. | 1.50 - — |
| lump, electric-fused, bgs., c.l., works | lb. | .44 - — |
| 5 tons, works | lb. | .44½- — |
| 1 ton or less, works | lb. | .45 - .48 |
| milled, electric-fused, bgs., c.l., works | lb. | .59 - — |
| 5 tons, works | lb. | .59½- — |
| 1 ton or less, works | lb. | .60 - .63 |
| Zirconium oxychloride, cryst., ctns., 5 tons, works | lb. | .29½- — |
| Silicate, granular, bgs., c.l., works. | lb. | .03¼- .03¾ |
| 10 tons, works | lb. | .03½- .04 |
| 5 tons, works | lb. | .04 - — |
| 1 ton or less, works | bl. | .04¼- .04¾ |
| milled, bgs., c.l., works | lb. | .04¾- — |
| 5 tons, works | lb. | .05¼- — |
| 1 ton or less works | lb. | .05¾- .06¾ |
| refined, bgs., c.l., works | lb. | .11 - — |
| 5 tons, works | lb. | .11¼- — |
| 1 ton or less, works | lb. | .12 - .16 |
| Sulphate, cryst., ctns., c.l., works | lb. | .37½- — |
| 5 tons, works | lb. | .38 - — |
| 1 ton or less, works | lb. | .38½- .39 |

## *Synthetic Resins*

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the April 4 issue of OPD.

## Ferro Shifts McIlhenny

The Ferro Enamel Corporation, Cleveland, has appointed Edward L. McIlhenny manager of its southern division. Mr. McIlhenny, who has been a member of the Ferro organization since 1945, will make his headquarters at the company's new plant in Nashville, Tenn.

## NW Paint Technicians Discuss House Paints

Dr. W. G. Vannoy, E. I. du Pont de Nemours & Co., was the featured speaker at a recent meeting of the Northwestern Paint and Varnish Production Club in St. Paul, Minn. In discussing "Current House Paints," Dr. Vannoy illustrated the differences in prewar and postwar paints and showed the results of an extensive testing program on both types.

## Goodrich Has New Vinyl Film

A translucent, clear vinyl film, known as "Type 7051," is being offered for sale in rolls through the national sales organization of the industrial and general products division of the B. F. Goodrich Company, Akron, Ohio. The material is said to have found wide use in industrial aprons, protective cuffs, table coverings to prevent snagging in hosiery mills and as office equipment covers. It is made for use at normal room temperatures, although it is satisfactory under either colder or warmer conditions if "hand" and flexing are not primary requirements.

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# Oils, Fats and Waxes

While trading in oils and fats was limited last week, the market remained on a steady basis, especially for edible oils. Cottonseed and soybean oils were unchanged and well held, while corn and peanut oils were fractionally higher. Drying oils were lower and caused the price index to decline to 125.5, compared with 142.3 a month ago and 225.1 for this time last year.

Active demand for peanut oil for export stiffened this market and prices were advanced ½ cent per pound. Corn oil also was moved up ½ cent.

Heavy export business in refined edible oils has cleared the market of supplies for immediate delivery and brought out and active consuming inquiry. Refiners were reported sold up to the middle of May.

Tallow and greases were unchanged and fairly steady. Export business has fallen off appreciably and light trading took place at reduced premiums. Domestic buying was restricted to small quantities at prevailing prices. Animal oils were unsettled and grease oils were reduced about 1½ cents per pound.

Tung oil declined 1¾ cents per pound under liberal liquidation of stocks of imported oil on the spot. Trading was reported of fairly good volume at the lower level. Oiticica oil also was easier and in slow inquiry. Resale linseed oil was scarcer and practically cleared from the market. Tankcars were absorbed at about ½ cent below open quotations.

Candelilla wax was further reduced for spot delivery and was off 3 cents per pound, due to the lower cost of replacements for arrival later in the month. Crude beeswax also was weaker. Montan wax was reduced 1 cent and spermaceti wax 2 cents per pound. Carnauba wax was unchanged and steady.

### *Market Trends*

**Prices Advanced**

Corn oil, ½c. per lb.
Peanut oil, ½c. per lb.

**Prices Reduced**

Beeswax, crude, 1c. per lb.
Candelilla wax, 3c. per lb.
Grease oil, 1½c. per lb.
Montan wax, 1c. per lb.
Oiticica oil, ¼c. per lb.
Spermaceti wax, 2c. per lb.
Tung oil, 1¾c. per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 125.5 | 127.5 | 142.3 | 225.1 |

(*For Current Prices see Page 9*)

## Cottonseed Oil

Trading was limited in bleachable cottonseed oil futures last week. Market backed and filled, reflecting fluctuations in grains and lard. Improved grain and lard at the close strengthened the market and short covering regained earlier declines and prices closed practically unchanged for the week. Consuming demand for refined oil was active especially for spot delivery. Available oil was scarce as recent export business cleared the market for immediate delivery and offers were chiefly for middle of May and forward.

PMA reported the following purchases of hydrogenated cottonseed oil, margarine oil, April 6: 1,000,000 pounds at 15.84c. per pound, drums, f.a.s. Houston, Texas and 1,204,000 pounds at 16c. per pound, drums, f.a.s. New York.

Crude oil was steady with trading reported at 10¾c. and 11c. per pound, tankcars, in the Southeast and Valley and 10½c. Texas.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended April 14 follow:—

| | Sales | Cents per pound High | Low | Close |
|---|---|---|---|---|
| May | 191 | 13.65 | 13.33 | 13.54S |
| July | 404 | 13.53 | 13.26 | 13.52—13.53S |
| September | .... | .... | .... | 12.95@13.05 |
| October | 4 | 12.70 | 12.35 | 12.60@12.75 |
| December | .... | .... | .... | 12.20@12.50 |
| January | .... | .... | .... | 12.20N |
| March | .... | .... | .... | 12.00@12.40 |

Total sales—599 tankcars.

*Memphis*—Trading in crude cottonseed oil continued light. Tankcars, 10¾c. bid and 11c. asked, f.o.b. Valley mills. Last trades in soybean oil 10⅜c., same basis. Considerable trading for export in 41 percent cottonseed cake slabs at $50 per ton, Mississippi mills, April, May, June shipment. Cottonseed meal, 41 percent sold at $56 per ton, Memphis, April-May shipment. Cottonseed hulls in poor demand, quoted at $2 to $3 per ton, bulk, mills. Crop preparations somewhat late.

## Linseed Oil

Carlot business of late has been restricted to resale oil at concessions. Trading was reported ranging from 27c. to 27.2c. per pound, tankcars, New York delivery. Offers of this oil were materially reduced last week. The call for oil against contracts continued moderate.

Department of Agriculture assured flaxseed producers and linseed oil crushers that no action for the disposal of heavy stocks of linseed oil and flaxseed held by CCC will be taken that would have a disturbing effect upon the market. CCC price policy for the government held shipment was quoted at 13½c., same the week. Oil consumers were trading back and forth in an effort to equalize holdings; however, most of this business was consummated during the past week and the resale price which was as low as 25.5c. per pound, in tanks, zone 1 is a thing of the past. Crushers quoted oil at 27c. per pound, 26.8c. in one instance, and the attitude was one of "take it or leave it." The large bulk of the oil produced was going to the government, some crushers estimating that 99 percent of the week's production moved to CCC. Mill operations were at a high level but many crushers were already making plans to shut down plants within a month, and it is predicted that all mills will have cleared their books, shipped their last pound of oil and closed down by June 1.

Shipments of linseed oil, in pounds, were as follows:—

| | 1948-49 | 1947-48 |
|---|---|---|
| This week | 9,200,000 | 8,280,000 |
| Since Sept. 1 | 178,078,000 | 231,414,000 |

**Flaxseed**—Trading in flaxseed futures was limited to 5,000 bushels at $3.90, October delivery, to a crusher.

*Minneapolis*—The linseed oil, flaxseed and meal business was slowly grinding to a halt as the deadline for the government support price approached and crushers started to clear their decks to shut down operations completely on June 1. The government's support price level of $6 a bushel will become inoperative as far as crushers and merchandisers are concerned, and farmers with flaxseed on hand after that date are going to find it hard to merchandise supplies. A rush of supplies to market over the past fortnight indicated that most of the farmers are aware of the situation, but reports from the country indicate that there are still out-of-position supplies that may not come to market before April 30. Fate of this seed is unknown, unless crushers will take it at the $6 support level and crush it for the oil and meal. The cut-off date for to arrive seed was nominally set up for April 15 in the crushing industry, and while it is expected that buying will continue up to the last days of the month it is a moot question as to how much seed will be taken. There are mechanical difficulties in transferring of seed to the CCC, and crushers and other handlers are trying to get all necessary mechanics out of the way well in advance of the deadline. Trading in flaxseed futures opened up with a sale of 5,000 bushels to a crusher at the opening price of $3.90 a bushel for October delivery. Little business was transacted after the first day's trading and the bid price was $3.62 a bushel and the asking price $3.70.

Shipments of flaxseed, in bushels, were as follows:—

| Bushels— | Receipts 1948 | Receipts 1947-48 | Shipments 1948-49 | Shipments 1947-48 |
|---|---|---|---|---|
| This week | 426,700 | 156,400 | 64,600 | 28,900 |
| Since Sept. 1 | 27,357,200 | 18,095,900 | 5,363,000 | 3,169,800 |

## Other Vegetable Oils

**Castor Dehydrated** — Demand was reported slow, mainly for immediate needs. Prices were without change.

**Coconut Oil** — Trading was inactive. Crude oil was sold at 14c per pound, tankcars, f.o.b. Pacific coast for spot shipment and 14¼c. was generally asked. May Shipment was quoted at 13½c., same basis. United States imported less copra in 1948 than in 1947 and more coconut oil. Copra imports totaled 399,771 long tons, against 605,054 tons in 1947, while coconut oil imports were 48,704 long tons and 10,517 tons, respectively.

**Copra** — Market was quiet and unchanged. Quotations were nominal at $175. per short ton, f.o.b. Pacific Coast, for prompt shipment.

**Corn**—Improved tone was noted in this market, owing to limited offerings. Crude oil was firm and held at 11c. per pound, tankcars, f.o.b. mills. Refined oil was quoted at 13½c, to 13¾c., same basis.

**Oiticica** — Prices were easier and off about ¼c. per pound. Business was slow. Sales of liquid were reported at 15¾c. per pound, drums, less carlots. Solid was 1c per pound less.

**Olive**—Inquiry continued quiet. Prices were unsettled and could have been shaded for moderate quantities. Spanish oil was quoted nominally at $4.25 per gallon, drums, duty paid, spot and Moroccan, $4. At least 5,000 short tons of high quality Moroccan olive oil appear avail-

*For Late Market Developments, See Page 4*

able for export this year according to the American Consulate, Rabat. The export price for good quality oil has not as yet been fixed. Theoretically, exporters are free to bargain with United States importers, but the government will veto requests for export licenses if the price is too low. Moroccan authorities are considering a price of 95c. to $1 per kilo, f.o.b. Casablanca, approximately the same price as last year.

Spain's 1948 olive crop was not only short, but the oil content was lower than normal. Production of olive oil last season, estimated at 165,000 short tons, was less than 29 percent the 1947-48 crop. Exports of Spanish olive oil totaled 26,848 short tons in 1948, compared with 5,003 in 1947. Shipments to the United States in 1948 amounted to 4,609 tons.

**Peanut**—Market was firmer and trading took place at an advance of ½c. per pound. Crude oil for export was sold at 12½c. per pound, tankcars, f.o.b. mills, prompt shipment. Government sold sufficient peanuts last week to produce about 55 tankcars. Refined oil was reported sold at 16c. to 16¼c. per pound, tankcars, New York delivery.

**Soybean**—Trading was limited. Market remained steady. Crude oil sales were reported at 10⅜c. to 10½c. per pound, tankcars, f.o.b. mills April shipment; 10¼c. to 10⅜c. for May and 10c. to 10⅛c. for July-September. Refined edible oil was scarce for spot delivery and held at 13¾c. to 14c. per pound, tankcars, New York basis.

**Tung**—Liquidation of imported oil on spot caused prices to decline 1¼c. per pound. Trading was fairly active at the lower levels. Business took place down to 17¾c. per pound, tankcars, New York basis. Additional oil was available at this figure. Drums were lowered to 19¼c. per pound, carlots and 19½c. for smaller quantities.

## Fats and Greases

**Greases**—Trading was reported light last week. Export inquiry has slackened. Domestic demand was confined to small quantities at unchanged quotations. Yellow was sold at 4⅜c. per pound, loose delivered. Other grades were unchanged and steady.

**Lard**—Prices declined sharply last week, reaching new lows. Market was improved at the close on reports that England was in the market for large quantities of lard. Cash lard declined to 9⅞c. per pound, loose, Chicago then reacted to 10c. bid.

**Tallow**—Limited quantities sold to small users at unchanged quotations. Sales of extra took place at 5c. per pound, loose, delivered and special at 4¾c., same basis. Fancy was scarce. Export trading was less active. Moderate volume of business in fancy was reported at 7¼c. per pound, drums for export.

## Animal Oils

**Degras**—Firmness and scarcity of common degras was reflected in refined grades. Neutral grades were in fair demand and were maintained at unchanged and steady prices. Common was firm at 11c. to 12c. per pound, as to quality and quantity.

**Grease Oils**—Consumers absorbed limited quantities for prompt requirements. Quotations for all grades were easy and nominal. No. 1 was quoted at 10¾c. per pound, carlots, New York; extra winter strained, 11¾c. and prime burning, 13c., same basis.

**Oleo**—Business was slow. Extra was lower and nominal at 12c. per pound, tierces, New York delivery.

**Oleo Stearine**—Market was weak. Market more or less nominal at 10c. per pound, barrels, New York basis.

## Fish Oils

**Crude Fish Oils**—Reports from Chesapeake Bay stated the present outlook was not too bright for next season's fishing operations, because of wage disagreement between producers and fishermen. The price of crude oil has declined sharply with competing oils and was merely nominal at 9c. per pound, loose, works. Business of late has been at a standstill and it was reported doubtful that offers of new oil at several cents below 9c., would attract buyers at this time. Last year wages with the fishermans' union were fixed on the price of 15c. per pound for crude oil.

## Cake and Meal

**Cottonseed Meal**—Demand for meal slackened late in the week. Exporters bought cottonseed cake at southeastern and Valley, mill points. Sales were reported from $48 per ton to as high as $50 for 41 percent slab cake basis Valley, for

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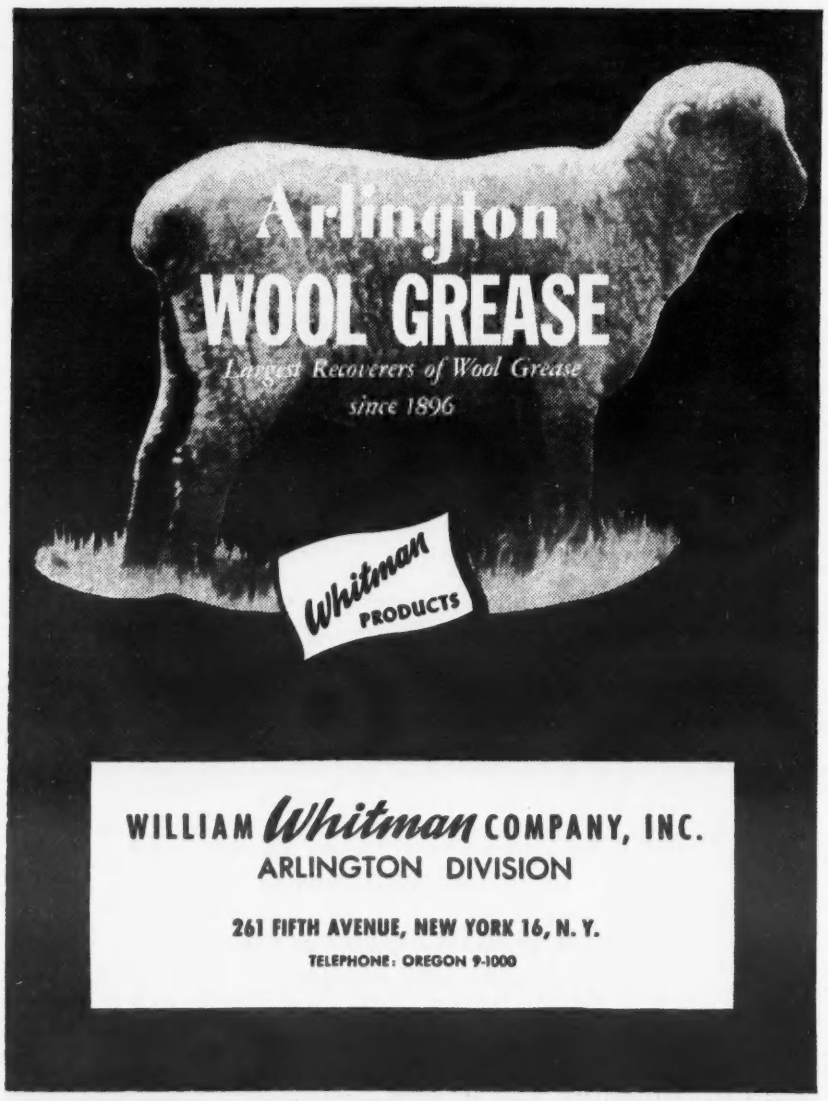


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April shipment. Most oil mills in the southeast only have enough cottonseed meal to take care of local demand and are not offering much for shipment. Meal 41 percent was quoted at $55 Valley, $56 Alabama, April shipment and $57 Georgia for May shipment. The Carolina's are in a sold up position.

*Minneapolis*—Demand for linseed meal showed improvement and prices moved back to $60 per ton, in carlots, bulk, f.o.b. Minneapolis for April shipment. New process meal, 36 percent protein, was discounted $2 to $4 under the old process and sold as low as $56 per ton. Buyers were avid for spot supplies and showing considerable interest in May and June.

Shipments of linseed meal, in pounds, were as follows:—

| | 1948-49 | 1947-48 |
|---|---|---|
| This week | 9,400,000 | 10,320,000 |
| Since Sept. 1 | 141,280,000 | 126,770,000 |

**Peanut Meal**—Government released peanuts last week to produce about 2,800 tons peanut meal. Peanut meal 45 percent was traded at $60 per ton basis South Georgia for April shipment. May was offered at $60 and June at $59. Local demand has been fairly good and taking most stock on hand.

**Soybean Meal**—Old process soybean meal 41 percent was sold at $67 per ton basis Alabama points for May shipment. Only a small tonnage is available. New process soybean meal was offered out of west Tennessee at $64, April shipment. Demand in general has been fairly good. Meal 41 percent was unchanged at $61.50 per ton bulk Decatur.

## Waxes

**Beeswax**—Increased offerings of crude wax from Africa created a weaker tone and quotations were off about 1c. per pound for spot stocks. Trading was inactive. Refined grades were unchanged with demand confined to small lots.

**Candelilla**—This market continued weak and prices scored further declines. Crude wax was quoted at 45c. to 48c. per pound, depending upon quantity. Refined also was lower at 50c. and 53c. per pound, same basis.

**Carnauba**—While business was light, the market remained steady. Stocks on the spot were well held at unchanged prices, except refined No. 3 North country which was advanced 2c. to 80c. to 82c. per pound. Trading for shipment from Brazil was reported as fair.

**Montan** — Quiet demand weakened prices which were off about 1c. per pound. Crude was quoted at 28c. to 30c. per pound, on spot as to quantity.

**Spermaceti**—Prices were easier and declined 2c. per pound. Blocks were quoted at 33c. to 34c. per pound and cakes, 34c. to 35c. as to quantity.

## *Oil Chemists Plan*

*—Continued from page 7*

tion of Cottonseed Oil. II. Separation of Purified Oil from Miscella," by W. D. Harris, J. W. Hayward and R. A. Lamb; "Pilot Plant Fractionation of Cottonseed. III. Process Development of Differential Settling," by James J. Spadaro.

"Trichloroethylene Extracted Oil," by F. A. Norris, K. F. Mattil, and W. J. Lehman; "Phase Relations in Solvent Winterization of Cottonseed and Peanut Oils in Acetone," by E. L. Skau, L. F. Banowetz, E. G. Burleigh, jr., and W. N. Bopp, jr.; "Rice Bran Oil. IV. Storage of the Bran As It Affects Hydrolysis of the Oil," by J. N. Loeb, N. J. Morris and F. G. Dollear; "Rice Bran Oil. V. Stability and Processing Characteristics of Some Rice Bran Oils," by C. E. Swift, Sarah P. Fore and F. G. Dollear; "Fractionation and Structure of Soybean Glycerides," by H. J. Dutton, Catherine R. Lancaster and O. L. Brekke.

"Oil from the Kernels of Laloh Fruit, *Balanites aegyptiaca*," by S. A. Hussain and F. G. Dollear; "Evaluation of Peanut Protein for Industrial Utilization," by Jett C. Arthur, jr.; "A New Stirrer Type Medium Pressure Reaction Apparatus," by E. F. Binkerd, R. J. Vander Wal, L. Van Akkeren and M. R. Hoppe; "The Influence of Processing on the Spectral Properties of Vegetable Oils," by R. T. O'Connor, Elsie T. Field, M. E. Jefferson and F. G. Dollear.

"Effect of Temperature on the Content of Pigments of Stored Cottonseed," by Leah Castillon, R. T. O'Connor, C. M. Hall and Charlotte Boatner Miller, and "Determination of Free Gossypol in Cottonseed Materials," by W. A. Pons, jr., and J. D. Guthrie.

### Fat-Stabilizing Patent Available

United States patent No. 2,441,547 covering the use of hydroxylamine as a stabilizer for fatty oils, esters, acids and other fatty materials, is offered by Swift & Co., Union Stock Yards, Chicago, for license "on reasonable terms," according to notice by the United States Patent Office. The process is said to be particularly beneficial in the treatment of soapstocks.

## Matlack Delivers Talk To Buffalo Paint Groups

Robert W. Matlack, president of the Federation of Paint and Varnish Production Clubs was a featured speaker before a recent joint meeting of the western New York Paint and Varnish Production Club and the Buffalo Paint, Varnish and Lacquer Association. Dr. Clifford C. Furnas, director of the Cornell Aeronautical Laboratory, also spoke, and a motion picture entitled "The Protective Dimension" was exhibited by the Rinshed-Mason Company.

## Bareco Advances Clary

B. H. Clary, head of the wax sales department of the Bareco Oil Company, Tulsa, Okla., has been elected a vice-president and member of the board of directors of the company. He will continue to direct sales of the company's microcrystalline waxes.

### Glyco Engages Two

Glyco Products Company, Brooklyn, New York, has appointed Joseph H. Bianco to the staff of its ester division, Natrium, W. Va., and has assigned Chester F. Moculeski to the technical service staff of its Chicago branch.

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## Botanical Drugs

—Continued from page 62

levels prevailing late last Summer. Exports in 1948 by countries of purchase were as follows:

| | Pounds |
|---|---|
| Argentina | 450 |
| Australia | 1,100 |
| Canada | 15,201 |
| Chile | 220 |
| Italy | 330 |
| United Kingdom | 47,525 |
| Uruguay | 1,000 |

**Serpentaria**—Reports from the collections areas failed to show any change in collectors early season buying prices. On the spot, sellers at this inventory time were disposed to turn non-moving root into cash if buyers could be found at $2.25 to $2.50 per pound.

**Snakeroot**—Canada snakeroot was shaded on the spot to the basis of 43c. to 45c. per pound and there were practically no takers.

## Seeds

**Anise**—Chinese star anise sold down to 12½c. to 13c. per pound. Mexican, down to 16½c. to 17c. but not active.

**Caraway**—Danish seed declined to 17c. to 17½c. per pound. Dutch, to 17½c. to 18c. Neither moved much and both were weakened by local and replacement competition.

**Cumin**—Spot prices were usually on a future delivery basis and the market thereat was called 21c. to 21½c. per pound.

**Fennel**—Indian seed was more competitive and by the end of last week the market was down to the basis of 12c. to 12½c. per pound.

**Poppy**—Competition grew as demand shrank. Dutch seed ended the week lower at 17½c. to 18c. per pound and Polish material was down to 16c. to 16½c.

## Spices

**Allspice**—The market first strengthened in demand and then rose in price to the basis of 14¼c. to 14½c. per pound late last week.

**Cassia** — Honan and Yunnan spice slightly lower in price. Also, Batavia longstick was shaded to 28c. to 29c. and shortstick was hardly steady. The new quotations were as follows:—Honan, rolls, scraped, 15½c. to 16c. per pound; unscraped, 14c. to 14½c.; broken, 14½c. to 15c.; Yunnan rolls, scraped, 15½c. to 16c.; broken, 14½c. to 15c.; unscraped, 14½c. to 15c.; broken, 14c. to 14½c.

**Clove**—Reports from Zanzibar declared that stocks in Madagascar were down to approximately 1,000 tons. This quantity must meet demand between now and new crop next October-December.

Stocks of clove unsold in Zanzibar were reported as being 10,113,407 pounds but not all was available for export sales. Of that quantity, 3,500,000 pounds are held by the Clove Growers Association only 15 percent being available to exporters. Therefore, stocks actually available for export were 6,613,407 pounds. The usual annual demand reaches 21,500,000 pounds. Agents for shippers have been advised that a deficit of 500,000 pounds would be insight were it not for the 15 percent which exporters are required to buy from the association.

**Nutmeg**—For the first time in many weeks, prices on West Indian goods were advanced. Spots were to 35c. to 35½c. per pound and futures were up to 34c. to 34½c. East Indians did not change in price.

**Pepper**—Early hours in the week were active but trading slowed considerably later on. Prices on black peper declined to the following levels: Spot, 84c. to 85c. per pound; April arrival, 83c. to 84c.; March shipments, 84c. to 84½c.; April shipments, 83c. to 83½c.; May shipment, 82c. to 83c. White peper for spot delivery was higher at $1.18 to $1.20 per pound; May arrival, $1.13 to $1.14.


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1—Ballcvak Vacuum Shelf Dryer with 19—42"x42" shelves.
3—Day 14"x32", 16"x40" 3-roll Mills, m.d.
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1—Baker Perkins 100-gal. stainless steel double arm Jacketed Mixer.
1—Baker Perkins 4½ gal. jacketed vacuum Double Arm Mixer.
2—Baker Perkins Lab. Double Arm stainless steel Mixers, 2 gal. cap.
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1—Sperry 36"x36" wood plate and frame Filter Press, 28 chambers.
1—No. 7 Sweetland Filter, 23 leaves.
2—No. 2 Sweetland Filters, 17 leaves.
1—"Jay Bee" 2UX Hammer Mill, 30 HP.
2—Dureo 2"x1½" Durieon Pumps, 5 HP.
2—Sharples No. 16V S.S. Centrifuges.
11—Olivite Centrifugal Acid Pumps, 2".
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MACHINERY PRICES REDUCED AT OUR NEWARK SHOPS
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1—Buffalo, Vacuum Shelf Dryer, 60" x 80", 20 shelves.
1—Louisville Steam Tube Dryer, 6' x 50'.
1—Direct Heat Rotary Dryer, 3'6" x 28'.
1—Rotary Vacuum Dryer, 5' x 33'.
1—Buffalo, Double Drum Atmos. Dryer, 32" x 72".

CRUSHING & GRINDING, PULVERIZING
1—Raymond 5-roll High Side, complete with motor and accessories.
2—Raymond No. 000 Pulverizers, and 1—No. 0000 Pulverizer.
1—Micro Pulverizer, 4TH, also 1—2TH.

KETTLES
3—7,500 gal. Steel Kettles, with copper coils, closed, agitated, 10' dia. x 12'6" deep, 15' overall height.
1—2,000 gal. Steel Kettle, Jacketed, open top, agitated, 7' dia. x 7'6" deep.
1—1,200 gal. Aluminum Kettle, jacketed, closed, 5' dia. x 8'6" deep.
20—250 gal. Copper, Jacketed, Kettles, open top, with stands, 50" dia. x 42" deep.

TABLET MACHINES
6—Colton 3 DT sgl. punch Tablet Machines, ⅝", V-Belt geared to ½ H.P. motor.

FILTERS
1—No. 12 Sweetland Filter, 4" centers, iron or copper leaves.
1—No. 10 Sweetland Filter, 3" centers, iron or copper leaves.
1—No. 5 Sweetland Filter, 2" centers, copper leaves.
1—8' x 12' Acid Proof Oliver Filter.
3—36" Sperry 60-plate Filter Presses, cast iron, recessed, center feed, open delivery, hydraulic closing.

MIXERS
2—Baker Perkins Mixers, size 17, jacketed, 200 gallon.
1—W & P Mixer, size 16, unjacketed, 150 gallon.
8—Baker Perkins Mixers, size 15, jacketed, 100 gal.
1—W & P Mixer, size 12, jacketed, 20 gal.
1—1,000 lb. Stedman Drum Mixer, motor driven.

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2—J. H. Day 20 gal. Brighton Mixers, pulley driven.
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1—Ross 50 gal. Mammoth Change Can Mixer, pulley driven.

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20—Vert. and Horiz., riveted and welded, from 2,000 gals. to 12,000 gals.
6—Blue enamel lined, 30" x 36", 100 gal. each, bolted-on dished covers with 14" manhole, 3" bottom outlet, leg supports.

3—Colloid Mills, each directly connected to 2-Terry 10 HP 5,000 RPM Steam Turbines.

RUBBER & PLASTICS COMPOUNDING
3—18" x 50" Rubber Mills, with motor and drive.
1—6" x 12" Laboratory Mill and Calender.
1—Royle No. 3 Strainer, 4½" screw, right angle drive and motor.

SCALES
2—Portable Dial Scales.

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2—Dopp 1,000 gal. Jack. Agit. Kettles, Duplex Acid Resistant & Iron.
3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 0.7 gals.
1—Lehman 4 Roll W.C. 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24", 3'x24" & 3'x8".
4—Allbright-Nell 4'x5' Atmos. Drum Dryers & Flakers.
6—Anderson No. 1 Expellers, Cookers & Dryers.
2—Devine No. 3 Vac. 4 Shelf Dryers.
1—Devine Vac. Shelf Dryer, 7 shelves.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
4—Abbe Pebble Mills, 6'x8', 60"x48", 36"x32" & 24"x36".
1—U. S. Stainless Colloid Mill, 5 HP.
15—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
2—Sperry 18" Lead Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
2—Shriver 18" Wool Filter Presses.
5—Tyler 38 Jr. Hummer Screens, 24"x60" & 20"x60" Split Screens.
1—Robinson Saw Tooth Crusher.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x20", 16"x40"
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ⅜" to 1½".
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
1—Huber 25 ton Para Block Press.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
1—Marco Stainless Homogenizer.
Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills. 250 gal. lead lined kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers.
10—Stokes Vert. High Vac. Pumps.
3—Duriron 3"x2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Sameo Jr. Vac. Bottle Filler.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks.
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15—Port. Elec. Mixers, ¼-2 HP.
8—Abbe Jar Mills, Lab. to 2 gal. sizes.
2—Rotary Cutters, 5 HP motors.
8—Hammer Mills, 3 to 50 HP.
1—Stedman 32" Single Roll Crusher.
6—Centrifugals, 26", 30" & 40".
4—No. 6666 and No. 0 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
2—DeLaval Multi. Clarifiers, 300 & 361.
Soap Machinery for Toilet, Laundry, etc.

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90 WEST STREET, NEW YORK 6, N. Y.



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6—Automatic Vacuum Fillers, 12 spout, stainless steel.
1—Semi-Auto. Vacuum Filler, 8 spout, stainless.
3—Semi-Auto. Vacuum Fillers, 8 spout, bronze.
1—Syphon Filler, 8 spout, stainless.
2—Syphon Fillers, 8 spout, bronze.
2—Stokes #80-B hand op. tube fillers.
4—Semi-Auto. Powder Fillers, auger type.
2—Automatic Powder Fillers, auger type.

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3—Resina Automatic Cappers.
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1—Horix Auto. Line Corking Machine.
3—Kiefer Auto. Bottle Rinsers, 12 spout.
2—U.S. Auto. Bottle Rinsers, 60 spout.
1—Pneumatic Scale Auto. 6-wide Air Cleaner for Bottles.
3—Ermold Auto. 6-wide Labelers.
3—Auto. Duplex Labelers, Front & Back.
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4—Auto. Wrap Around Labelers.
6—Semi Auto. Spot Labelers.
1—Standard Knapp Top & Bottom Case Gluer and Compr. Unit.
1—Packomatic Auto. Top Gluer.
4—Acme Elec. op. Case Stitchers.

### PROCESSING EQUIPMENT

2—Mikro Pulverizers, #1SH, Bantam.
2—Day & Abbe Double Jar Mills.
2—Abbe Pebble Mills, 6' x 8'.
1—Allis Chalmers Continuous Ball Mill, steel liner, 8' x 7', complete.
2—Anderson Duo Expellers.
3—Shriver 24" Cast Iron P&F Filter Presses, open dely.
1—Swenson Precoat Rotary Vacuum Filter, 8'x8', acid proof, lead & rubber.
1—Sweetland No. 10 Filter, C.I. Body, bronze leaves, 500 sq. ft.
1—Niagara #80 Portable Filter Station, complete with feeder, pump and motor, stainless steel, 82 sq. ft.
1—Aluminum Kettle with coils, jacket and agitator, 1,000 gal.
1—Dopp 300 gal. cast iron jacketed and agitated Kettle.
30—Stainless Steel and Stainless Clad Jacketed Kettles, 30 gal. to 500 gal., 40# and 100# pr.
40—Stainless Steel open top tanks, 30 gal. to 500 gal., some with side mixers.

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1—1-gallon Lab. Size W & P Mixer, M.D.
1—NEW S/S 60-square feet Condenser.
2—Shriver 36" x 36" 4-eye closed delivery washing type Filter Presses.
6—Abbe 30" x 30" Pebble Mills, 2 jktd.
1—Abbe 75-gallon Ball Mill, jacket and complete with charge of balls.
1—Lancaster stainless steel 9 cu. ft. capacity muller type Mixer.
10—Powder Mixers from 100 to 1,500 lb.
1—Kent 4" x 8" 3-roll, M.D.
1—Pfaudler 500-gallon vacuum jacketed & agitated.
2—Devine 17-shelf vacuum dryers.
1—Sharples #16 Centrifuge, M.D.
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5—Simpson #0 Intensive Mixers (NEW).
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2—Shriver 42" x 42" Filter Presses, 46 chambers, hydraulic closing device.
1—Shriver 36" x 36" Plate & Frame Filter Press, rubber covered.
1—Tolhurst center slung rubber lined centrifuge, 30" basket.
1—Ball & Jewell Rotary Cutter #2.
2—Ball & Jewell Rotary Cutters #½.
1—Louisville Rotary Steam Tube Dryer, 6' x 50'.

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Stainless Steel Tanks, new, 100 and 200 gal. dished bottoms with stands.
20—Steam Jacketed Kettles, Stainless Steel & Aluminum, 30 to 250 gal.
50—Pumps (Steam & Electric), used & new.
New and used high pressure Steam Boilers, 2H.P. to 250 H.P.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank 7' dia. x 10', No. 430 Chrome.
1—Buflovak Impregnating Tank 42" x 52" steam jacketed.
2—Flow-Master Kom-bi-nators.
2—New Ribbon Type Mixers, 8 & 24 cu. ft.
4—Steel Tanks, 100,000 gal. each.
1—Steel Tank, 67,500 gal.
Sterilizers 18 x 18 and 24 x 27 with clampdown covers & safety valves.
1—Sperry Filter, 18 x 18—24 plate.
1—DeLaval Lab. Separator with ½ H.P. motor.
1—150 gal. Jacketed Glass-Lined Tank with agitator.
6—Stokes Rotary Tablet Machines, Model RD-4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

SPECIAL 1—Patterson Pebble Mill, 36" diam. x 42", silex lined—like new.
2—Ransome Rotary Agitators, 9' dia. x 11'6"

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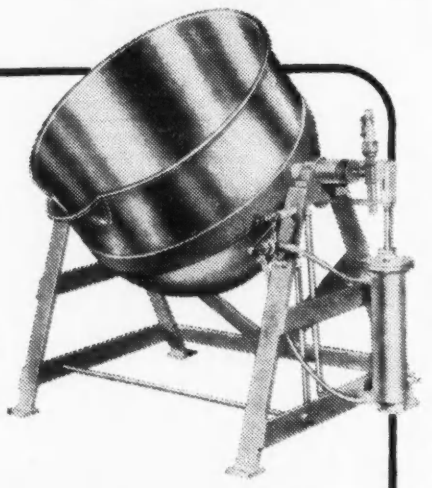
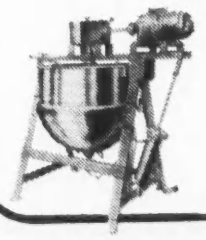


# KETTLES



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## N.Y. Textile Chemists Plan May 6 Meeting

The New York section of the American Association of Textile Chemists and Colorists will hold its next regular meeting at Kohler's Swiss Chalet, Rochelle Park, N. J., on May 6, at 8 p.m. Dr. Marcus Kleber will speak on "Relative Difference Between European and American Textile Chemists' Scientific Approach." A panel of representatives of the textile dyeing, printing and finishing industry will hold a question and answer period under the direction of P. J. Kennedy.


## PROCESS EQUIPMENT FOR SALE

3—NEW 65 gallon jacketed C. I. DOPP kettles with hinged covers.
1—J. H. Day "Hercules" 6 barrel heavy duty mixer.
1—J. H. Day "Imperial" 75 gallon—jacketed sigma blade tilting mixer.
1—Readco 100 gallon tilting jacketed heavy duty mixer.
4—24"x48" single ribbon and paddle dry powder mixers.
1—Sperry 24" C. I. one eye open delivery filter press.
1—19½" dia. x 15" deep ⅝" thick stainless steel kettle with bolted cover. Capacity 16 gallons.
1—Western Bear Cat size 2A Shredder.
1—Gum crusher with 14"x14" hopper.
3—Lehmann 12"x30" five roller water cooled mills.
1—Lehmann 18"x48" five roller water cooled mill.
1—J. H. Day 16"x40" three roller water cooled mill.
1—Kent 12"x30" three roller water cooled mill.
1—24" C. I. closed delivery washing type four eye plate and frame Johnson filter press.

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3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.

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1—Stainless Steel Closed Storage Tank, 10'6" x 20', 13,000 gals.
1—New Alum. Tank, 10,000 gals.
28—New Hubbert 100 gal. Stainless Clad Jacketed Kettles.
1—Glasscote 1,000 gal. Glass-Lined Reactor.
1—Glasscote 250 gal. Glass-Lined Reactor.
1—Glasscote 300 gal. Glass-Lined Vac. Receiver.
1—Pfaudler 1,500 gal. Closed Glass-Lined Pressure Kettle.
1—Stokes 30" x 8' Rotary Vacuum Dryer.
1—Ruggles Coles Rotary Steam Tube Dryer, 4' x 20'.
5—Stainless Steel 40" & 48" Sus. Centrifuges.
3—Fitzpatrick Model D Comminuting Mach., S.S. Parts, 5 HP XP Motors.
1—Charlotte Stainless Steel Colloid Mill, 20 H.P., 100-300 gals. hr.
2—Abbe 6' x 8' Buhrstone-Lined Mills.
4—Day & Ross 20 & 40 gal. Pony Mixers.
10—Horiz. Spiral Mixers, 25 lb. to 3,500 lb.
4—Vac. Shelf Dryers, Lab. to 20 Shelf.
2—Oliver 8' x 12' Continuous Filters.

*Send for Bulletin A-22 for Complete Listings*

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**Sales Representative**—with offices in New York, Trenton and Philadelphia can accept representation of additional items, pigments or chemicals, used by rubber or allied industries. Contract or commission arrangements can be made. OPD 513.

**Line for** Detroit area. Ten years in the territory, calling on drug, perfume, cosmetic and food manufacturers. No essential oils, aromatics or extracts wanted. Address P.O. Box 61, Royal Oak, Mich.

**Established California** firm, covering Los Angeles, San Francisco, and the Pacific Coast would be interested in representing producers of raw materials used in the protective coating and allied fields. Our representative will be in the New York area to consult on this matter if we receive an immediate reply. OPD 524.

## EQUIPMENT OFFERED

**Mikro Pulverizer** #2th, 15 hp. main drive motor. Complete with switches, ammeter, and many spare parts including rotor, screens, sheaves, etc. Used total of 30 hours. Will sell for 65 percent of new cost. OPD 516.

## FACILITIES OFFERED

**Pulverizing plant** has capacity available on Fuller-Lehigh mill. Suitable for grinding very hard and abrasive materials. Also pyrethrum flowers and other insecticides, including shells and fibrous matter. OPD 515.

**High Vacuum** distillation, fractionation, processing, extraction, solvent removal. Specializing in essential oils, aromatics, flavor materials, solid extracts and soluble resins. Modern stainless steel and glass lined equipment plus 25 years experience. OPD 519.

**Facilities offered** for mixing dry chemicals carload and less carload. Also grinding, pulverizing, drying screening and packing done. Experienced capable personnel. Modern plant with rail siding located Metropolitan New York. Reply OPD 525.

## LICENSE WANTED

**Switzerland**—Important, basic chemical manufacturer will entertain proposition to manufacture in Switzerland, and or distribute in Continental Europe, chemical and allied products. Exclusive or license arrangement. Efficient chemical staff, ample production facilities available. Only serious offers of the type that warrant long range planning will be considered. OPD 526.

## MATERIALS OFFERED

**Isobutyl methacrylate** polymer, manufactured by E. I. duPont. Fifty ton in original 100-lb. sealed fibre drums offered by owner at low sacrifice price. Samples upon request. Reply to OPD 514.

## MATERIALS WANTED

**Solvamin: Manufacturer** wants to purchase relatively large quantities of Solvamin. If you have any stock of this product on hand, please write and state price and quantity you wish to sell. Address OPD 523.

## MATERIALS WANTED

**Do not** wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 487.

**Solvents—Large** eastern solvent consumer solicits correspondence with sources for special or odd-lot solvents and blends; minimum units 500 gallons. For specifications and other details, write OPD 488.

## PHOSPHATE LEASE

**United States Department of Interior,** Bureau of Land Management, Washington 25, D. C. Notice is hereby given that the lands listed herein are offered for phosphate lease, through sealed bids, at a minimum bid of $1 an acre, on the terms hereinafter specified, to qualified bidders of the highest cash amounts per acre as a bonus for the privilege of leasing under the phosphate provisions of the act of February 25, 1920 (41 Stat. 440, 30 U.S.C., sec. 211), as amended. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., on or before 1 p.m. on the date set out herein. Each bidder must submit with his bid certified check, money order, or cash, for one-fifth of the amount bid by him, and file evidence of qualifications as prescribed in 43 CFR 196.7 (b), (c), (g), and (h), if a current showing in that regard has not been filed. The envelopes shall be plainly marked that they are not to be opened before the date and hour set out herein and should show the number of the unit and that the bid is for phosphate lease. No bids received after the hour fixed herein for receiving bids will be considered. Prior to the issuance of a lease, the successful bidder must pay the remainder of the bid made by him and the rental at the rate of 25 cents an acre or fraction thereof for the first lease year, and submit lease forms and a bond in the sum of $5,000 (43 CFR 196.12). Deposits of other bidders will be returned upon the acceptance of the successful bids. Bidders are warned against committing any act of intimidation, combination or unfair management, to hinder or prevent bidding at the sale in violation of section 1860, Title 18, United States Code. The right is reserved to reject any and all bids. The lands to be leased are in the State of Idaho, and are offered in the following units: **Unit No. 1,** lot 2 sec. 10, W½NW¼, SE¼NW¼, E½SW¼ sec. 11, T. 9. S., R. 43 E., B.M., 240 acres; **Unit No. 2.** W½NE¼, NE¼NW¼ sec. 12, T. 8 S., R. 43 E., B.M. 120 acres; **Unit No. 3,** lot 3, NE¼NW¼, S½NE¼, sec. 2, T. 9 S. R. 43 E., B.M., 160 65 acres; **Unit No. 4,** SW¼SW¼ sec. 20, W½NE¼, SE¼NE¼, N½NW¼, NE¼SE¼ sec. 29, T. 4, S., R. 40 E., B.M. 280 acres; **Unit No. 5,** lots 8 and 9 sec. 1, T. 6 S., R. 38 E., B. M., 65.38 acres. Terms: Rental for each acre or part thereof at the rate of 25 cents per acre for the first year, 50 cents per acre for the second and third years, respectively, and $1 per acre for each year thereafter during the continuance of the lease; a minimum investment of $50 an acre during the first three years of the lease; a royalty of 5 percent for the first 10 years from the date of issuance of the lease and 6 percent, beginning with the 10th anniversary date thereof and continuing thereafter for the remainder of the first twenty years lease period, of the gross value of the phosphate or phosphate rock and associated products recovered and sold or otherwise disposed of at the point of shipment which royalty shall not be less than 25 cents a ton of 2,000 pounds, mine run; a royalty of 10 percent of the gross value of vanadium and associated or related minerals recovered and sold or otherwise disposed of; a royalty of 10 cents a ton of 2,000 pounds of silica and limestone or other nonphosphate rock mined and sold, used, or otherwise disposed of from the leased land under sec. 4 of the act of June 3, 1948 (62 Stat. 289); a minimum production of 5 tons an acre beginning with the fourth lease year. It is expressly agreed that the Secretary of the Interior may establish reasonable minimum values for the purpose of computing royalty on any phosphates or phosphate rock and associated products, due consideration being given to the highest price paid for a part or majority of the production of like quality products from the same general area, the price received by the lessee, posted prices and other relevant matters. Royalty shall be payable monthly within 30 days from the expiration of the month in which it accrues. The minimum production will not be reduced or waived at the lessee's request except as provided in 43 CFR, 196.5, 196.6, 191.25, or 191.26, or upon a satisfactory showing that market conditions are such that the lessee cannot operate except at a loss. The lease will be canceled if production or the construction of production facilities including processing plants, is not commenced by the beginning of the fourth year of the lease. A lease of the lands, if issued, shall contain a provision that operations thereunder will not cause undue interference with the use of the lands for the grazing of cattle and sheep and the cutting of timber. Bids must be submitted on or before 1 p.m. May 25, 1949. Marion Clawson, Director. The lands listed cover 1,483.55 acres.

**U. S. Department** of the Interior, Bureau of Land Management, Washington 25, D. C. Notice is hereby given that sealed bids will be received until 1 p.m., May 11, 1949, for the following described lands situated in Madison County, State of Montana: SE¼ sec. 18, T. 9 S., R. 3 W., P.M. (160 acres). This land is offered at a minimum bid of $1.00 an acre to qualified bidders of the highest cash amount, as a bonus for the privilege of leasing under the phosphate provisions of the act of February 25, 1920 (41 Stat. 440; 30 U. S. C. Sec. 211), as amended, subject to a minimum investment of $5,000 during the first three years of the lease; a minimum annual production of 10 tons per acre, commencing with the fourth lease year, and a royalty of 5 percent of the gross value of phosphate or phosphate rock and associated products recovered and sold or otherwise disposed of at the point of shipment to market, which royalty shall not be less than 15 cents a ton of 2,000 pounds, mine run, and a royalty of 10 cents a ton of 2,000 pounds, mine run, for silica, limestone or other rock as may be utilized in the processing or refining of the phosphates, phosphate rock and associated minerals. It is expressly agreed that the Secretary of the Interior may establish reasonable minimum values for the purpose of computing royalty on any phosphates or phosphate rock and associated products, due consideration being given to the highest price paid for a part or a majority of the production of like quality products from the same general area, the price received by the lessee, posted prices and other relevant matters. The lease, if issued, shall contain a provision prohibiting any prospecting or mining on the N½N½SE¼ sec. 18, within the Forest Service Canyon Campground area, except upon an advance written approval from the Forest Supervisor, Dillon, Montana. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., and each bidder must submit with his bid one-fifth of the amount bid in cash or by certified check, or money order, made payable to the order of the Treasurer of the United States, and file the showing of qualifications to receive a lease required under 43 CFR 196.7(b) and (c). The envelopes shall be plainly marked, "Bid for phosphate lease. Not to be opened before 1 P.M., May 11, 1949." No bids received after the hour fixed herein for receiving bids will be considered. Prior to the issuance of a lease, the successful bidder must pay the remainder of his bid, the rental at the rate of 25 cents an acre for the first year of the lease, and furnish executed lease forms and a bond with approved corporate surety in the sum of $5,000 (43CFR 196,12). The deposits of the unsuccessful bidders will be returned upon acceptance of the successful bid. Bidders are warned against violation of Section 1860, Title 18 U. S. Code, prohibiting unlawful combination or intimidation of bidders. The right is reserved to reject any and all bids. Marion Clawson, Director.

**United States Department of Interior,** Bureau of Land Management, Washington 25, D. C. Notice is hereby given that the lands listed herein are offered for phosphate lease, through sealed bids, at a minimum bid of $1 an acre, on the terms hereinafter specified, to qualified bidders of the highest cash amounts per acre as a bonus for the privilege of leasing under the phosphate provisions of the act of February 25, 1920 (41 Stat. 440, 30 U.S.C., sec. 211), as amended. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., on or before 1 p.m. on the date set out herein. Each bidder must submit with his bid certified check, money order, or cash, for one-fifth of the amount bid by him, and file evidence of qualifications as prescribed in 43 CFR 196.7 (b), (c), (g) and (h), if a current showing in that regard has not been filed. The envelope shall be plainly marked that it is not to be opened before the date and hour set out herein and should show that the bid is for phosphate lease. No bids received after the hour fixed herein for receiving bids will be considered. Prior to the issuance of a lease, the successful bidder must pay the remainder of the bid made by him and the rental at the rate of 25 cents an acre or fraction thereof for the first lease year, and submit lease forms and a bond in the sum of $5,000 (43 CFR 196.12). Deposits of other bidders will be returned upon the acceptance of the successful bid. Bidders are warned against committing any act by intimidation, combination or unfair management to hinder or prevent bidding at the sale in violation of section 1860, Title 18, United States Code. The right is reserved to reject any and all bids. **Lands to be leased:** SW¼SE¼, E½SW¼, NW¼SW¼, lots 3, 4, S½NW¼, sec. 3, lot 1 sec. 4, E½ sec. 10, W½SE¼, NW¼, E½SW¼, sec. 14, NE¼NE¼ sec. 15, T. 8 S., R. 44 E., S½SE¼ sec. 28, E½SE¼, NW¼SE¼, NE¼ sec. 33, W½SW¼ sec. 34, T. 7 S., R. 44 E., B.M., Idaho. **Terms:** Rental for each acre or part thereof at the rate of 25 cents per acre for the first year, 50 cents per acre for the second and third years, respectively, and $1 per acre for each year thereafter during the continuance of the lease; a minimum investment of $50 an acre during the first three years of the lease; a royalty of 5 percent for the first 10 years from the date of issuance of the lease and 6 percent, beginning with the 10th anniversary date thereof and continuing thereafter for the remainder of the first twenty years lease period, of gross value of the phosphate or phosphate rock and associated products recovered and sold or otherwise disposed of at the point of shipment which royalty shall not be less than 15 cents a ton of 2,000 pounds, mine run; a royalty of 10 percent of the gross value of vanadium and associated or related minerals recovered and sold or otherwise disposed of; a royalty of 10 cents a ton of 2,000 pounds of silica and limestone or other nonphosphate rock mined and sold, used, or otherwise disposed of from the leased land under sec. 4 of the act of June 3, 1948 (62 Stat. 289); a minimum production of 5 tons an acre beginning with the fourth lease year. It is expressly agreed that the Secretary of the Interior may establish reasonable minimum values for the purpose of computing royalty on any phosphates or phosphate rock and associated products, due consideration being given to the highest price paid for a part or majority of the production of like quality products from the same general area, the price received by the lessee, posted prices, and other relevant matters. Royalty shall be payable monthly within 30 days from the expiration of the month in which it accrues. The minimum production will not be reduced or waived at the lessee's request except as provided in 43 CFR 196.5, 196.6, 191.25, or 191.26, or upon a satisfactory showing that market conditions are such that

## Chemical Workers Weekly Earnings Decreased in Jan.

Weekly earnings of factory workers in chemical and related fields showed a decrease in January, as compared with December. A breakdown of the weekly earnings for the chemical and allied industries follows:—

| | Weekly | | |
|---|---|---|---|
| | Jan. 1949 | Dec. 1948 | Nov. 1948 |
| Chemical and allied products | $57.89 | $58.08 | $57.87 |
| Ammunition | 52.16 | 53.53 | 52.46 |
| Chemicals | 65.11 | 64.72 | 64.65 |
| Cottonseed oil | 42.07 | 44.56 | 43.56 |
| Drugs, medicines, insecticides | 52.82 | 51.76 | 51.50 |
| Explosives, safety fuses | 57.77 | 60.58 | 60.71 |
| Fertilizers | 38.25 | 38.69 | 37.86 |
| Paints and varnishes | 57.36 | 58.18 | 58.22 |
| Petroleum and refining | 76.93 | 75.03 | 76.35 |
| Rayon, allied products | 55.44 | 55.79 | 55.55 |
| Soap | 63.63 | 66.72 | 66.79 |

## PLANTS OFFERED

**For Sale:** Chemical equipment, know how and raw materials to manufacture estrogenic hormone, $10,000. Will accept $3,000 cash, balance on notes at 2½% interest, from responsible people. Ziegler Pharmacal Co., 500 Franklin St., Buffalo 2 N. Y.

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**Salesmen—unusual** opportunity—attractive offer. Well established manufacturer of aromatic chemicals, essential oils and perfume compounds has openings for salesmen with knowledge of the business and a following in the trade. Replies will be treated confidentially. Our staff knows about this ad. OPD 490.

## POSITIONS WANTED

**Pharmaceutical and** chemical manager. Wide experience import, export and domestic ethical market. Seeks responsible position with first class chemical or pharmaceutical manufacturer. Highest type references. OPD 517.

**Superintendent, Paint** plant. Graduate chemist with 24 years experience. Excellent production man. Desires position in similar capacity. Preferably metropolitan area, but will locate anywhere. OPD 518.

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Fillers: Stokes & Smith, Triangle.
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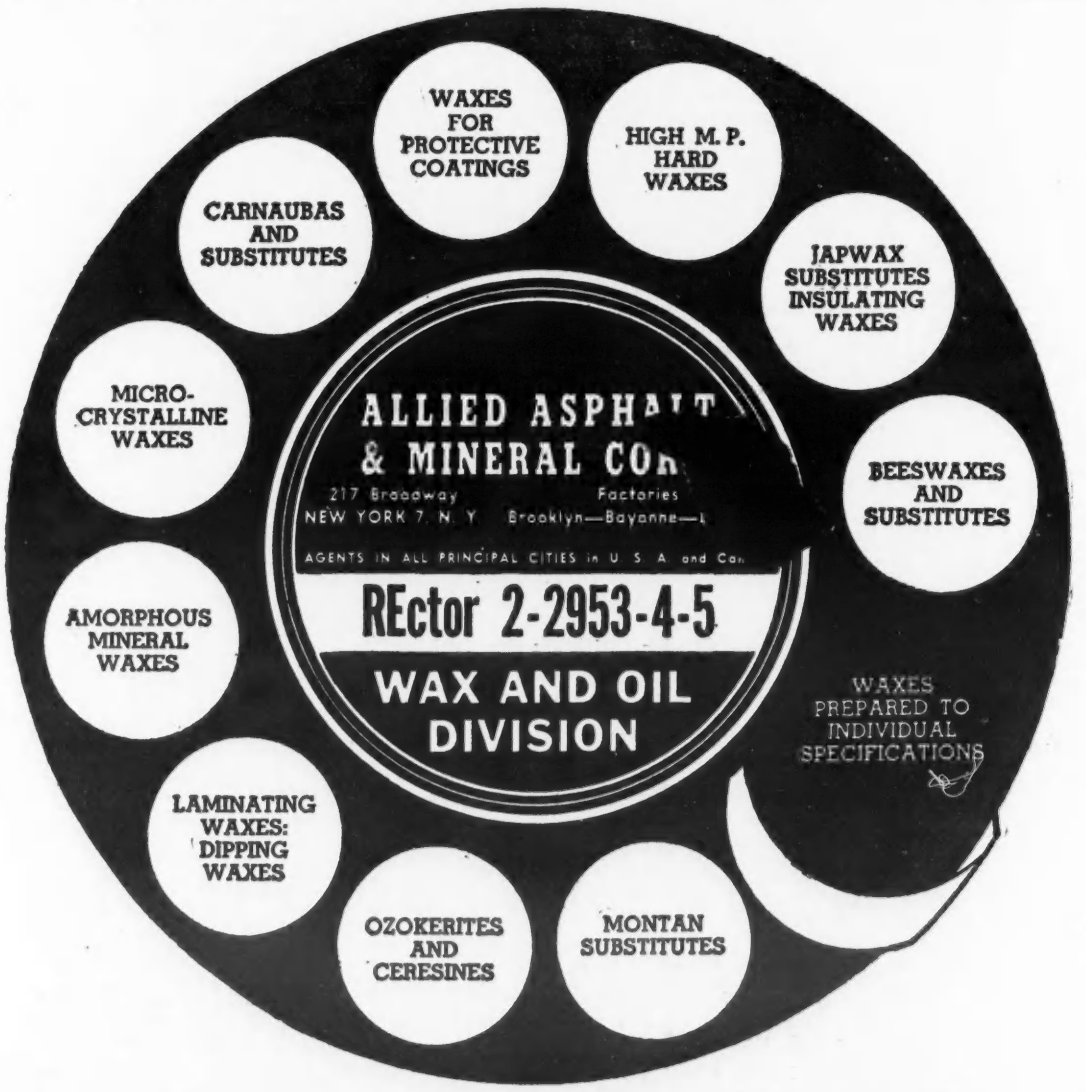
### Cleaning, Polishing Preparations 1947 Data Issued by Census Bureau

Manufacturers in the cleaning and polishing preparations industry shipped products valued at $261,600,000 during 1947, according to preliminary figures released by the Bureau of the Census, Department of Commerce. This is an increase of approximately 190 percent over the $89,800,000 value of products reported by this industry in 1939, when the last Census of Manufactures was taken. Average employment in the industry amounted to 15,352 in 1947, as compared with 9,978 in 1939. Salaries and wages paid to all employees increased about 200 percent, from $16,000,000 in 1939, to $48,200,000 in 1947. The industry's expenditures for new plant and equipment during 1947 totaled $9,700,000 as compared with $1,500,000 for 1939.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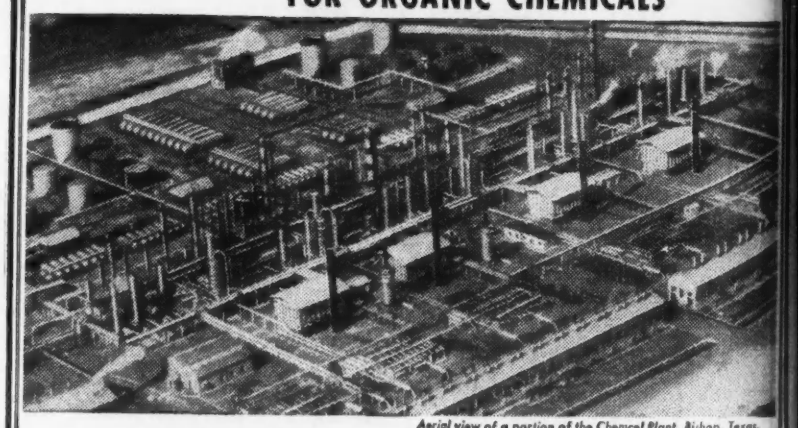

*Aerial view of a portion of the Chemcel Plant, Bishop, Texas.*

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